Herbrand

TOOLS OF QUALITY

SINCE 1881

CATALOG
No. 48-M

Moto Equipment Co
117 N. Church St
Phone 2-3159
Forest Weinberg

MODERNIZED TOOLS OF EXTRA QUALITY

Fifty-four years of super craftsmanship is reflected in Herbrand Tools of Character and Distinction

Herbrand Tools predominate in revolutionary design and new developments. They set the pace because they excel in performance, utility, balance, strength, and raise the efficiency of the mechanic to the highest degree.

"Van-Chrome" Tools are scientifically proportioned with a grace of design which identifies them as the outstanding time and labor saving tools of the present day.

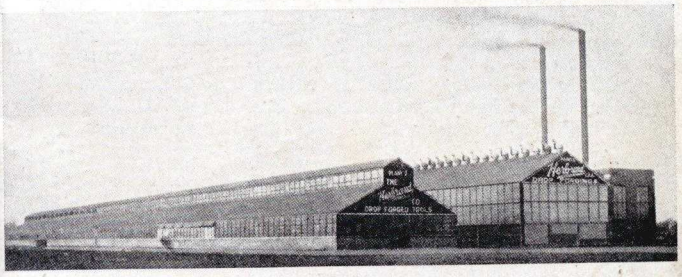
There is a jobber near you who stocks "Van-Chrome" Tools. Have him show you this comprehensive line which is the broadest for today's needs at prices commensurate with present day conditions.

A liberal discount from the list prices shown is allowed all recognized dealers and mechanics. The Herbrand guarantee protects both jobber and user.

Herbrand
FREMONT, O.
"SINCE 1881"

THE HERBRAND CORPORATION

FREMONT, OHIO, U. S. A.



A group of seven modern buildings on a thirty-five acre tract of land houses the latest type equipment for the production of Herbrand Tools of Quality and Distinction.

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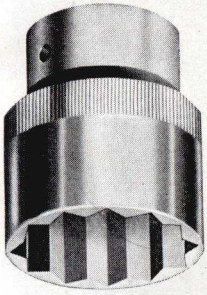
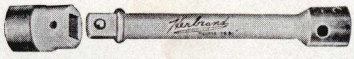
"VAN-CHROME" HOT FORGED SOCKETS, HANDLES AND ATTACHMENTS



Herbrand employs a positive ball and spring lock-on feature. Sockets are drilled to easily engage the friction ball on the handle units when lined up with the hole. This method holds sockets firmly, yet they release readily without the aid of a special tool.



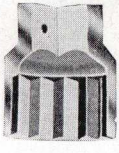
The Modern Hot Forged Socket with Positive Lock-On Feature

Hot forging insures clean, extra thin, straight side walls and super strength—no chatter marks, no tears, no chips. They are structurally better, lighter in weight and have increased utility, unbreakable strength and unrivaled performance.

Herbrand's Hot Forging also eliminates all unnecessary bulk, and the extra thin, straight side walls banish clearance problems. The drive ends are machined down to a narrow offset shoulder which further reduces weight, bulk and clumsiness. The height of each socket is graduated according to a definite engineering formula to scientifically balance with the size of the openings. These features of modern design decrease the weight at least 30 per cent. They are heavily knurled with a non-slip grip and the top of each socket is chamfered to readily engage the handles and all other attachments.

Herbrand Makes Only One Grade of Socket Wrenches

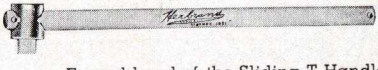
Only the best grade of Sockets and Handles give complete satisfaction. Herbrand does not mislead or confuse the trade by offering different or inferior grades. Look for the trade name Herbrand "Van-Chrome" which stands for Socket Wrench perfection.



Actual photographic comparison— Hot Forged with cold broached socket

Flexible Offset Handle—perfectly balanced—light weight—square drive hole in handle for use as an extension—broached to fit any standard units—cross drilled for sliding bar to make T or L wrenches—drive tip holds firm at any desired angle.

Extensions — forged solid, square opening in heads, drilled for T bar. Shoulder on drive acts as socket stop.



Forged head of the Sliding T Handle adjusts flush to ends, forming a perfect offset wrench. A friction ball holds the head firmly at any point.

"Van-Chrome" Junior Series Sockets

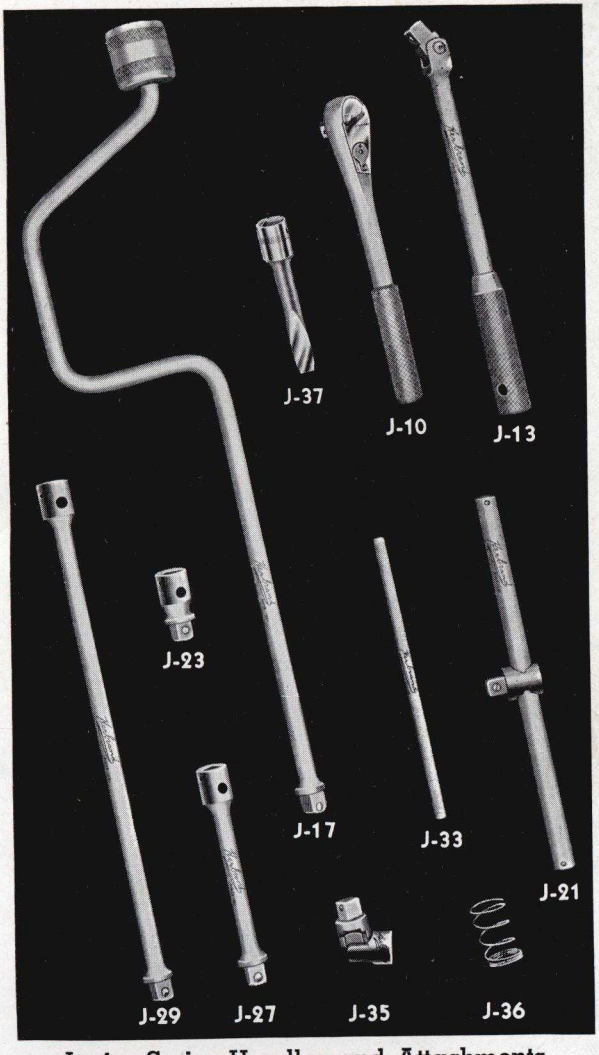
3/8" Square Drive—Extra Thin Straight Side Walls

Hot Forged from Chrome Molybdenum Steel

Small—Slender—Straight—Thinwalled—yet mighty in power of performance. Get into tight places where others fail to function. Triple plated in satin nickel with polished walls.

12-Point Sockets		
No.	Openings	List Ea.
J-112	3/8	$ .40
J-114	7/16	.40
J-116	1/2	.40
J-118	9/16	.40
J-120	5/8	.40
J-122	11/16	.50
J-124	3/4	.50
8-Point Sockets		
J-212	3/8	$ .40
J-214	7/16	.40
J-216	1/2	.40
Extra Deep 8-Point		
J-514	7/16	$ .70
6-Point Pan Socket		
J-616	1/2	$ .40

Flexible 12-Point Sockets		
No.	Openings	List Ea.
J-312	3/8	$ 2.10
J-314	7/16	2.10
J-316	1/2	2.10
J-318	9/16	2.10
J-320	5/8	2.10
J-322	11/16	2.10
J-324	3/4	2.10
Extra Deep 12-Point		
J-414	7/16	$ .70
J-416	1/2	.70
J-418	9/16	.75
J-420	5/8	.75
J-422	11/16	.80
J-424	3/4	.85
Drag Link Socket		
J-39	11/16" blade	$ .65



Junior Series Handles and Attachments

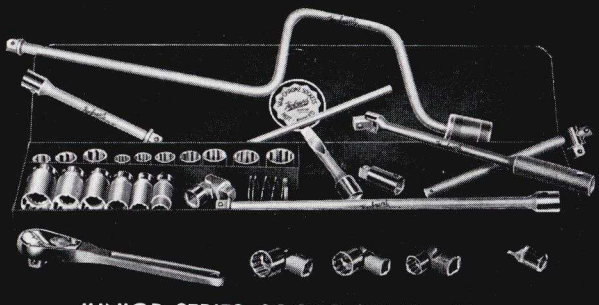
⅜" Square Drive—Forged from Chrome Molybdenum Steel

Designed to deliver the utmost speed and ease of handling.

No.	Description	List Ea.
J-10	IMPROVED JUNIOR RATCHET HANDLE, 6⅝" long, instantly reversible to operate the 20th of a turn either right or left. Narrow head and slender handle for accessibility	$3.70
J-13	FLEXIBLE OFFSET HANDLE, 8⅝" long, a flex, swivel, offset, T handle and nut spinner all in one. The drive tip is held firmly at any angle	2.20
J-17	SPEEDER HANDLE, 17" long, forged solid	1.50
J-21	SLIDING T HANDLE, 8" long. Forged head slides flush to the ends for use as an offset wrench. Friction ball holds the head firmly at any point	1.10
	EXTENSIONS, Heads forged with a square drive opening and cross drilled for use of J-33 bar.	
J-23	EXTENSION, 1½" long, forged solid	.50
J-27	EXTENSION, 5" long, forged solid	.70
J-29	EXTENSION, 11" long, forged solid	.90
J-33	T HANDLE BAR, 6½" long, used to form a T	.20
J-35	UNIVERSAL JOINT, improved, short coupled, positive locking. Reaches where others fail	2.00
J-36	SPRING STABILIZER, slides over universal joint for conversion into a flexible knuckle	.15
J-37	SOCKET SCREW DRIVER, 3½" long. For body, top, floor board, pan work and all tight places	.55
J-41	CHEVROLET PAN SCREW DRIVER, 2" long, flexible spring construction for screws on Chevrolet oil pan	1.25

JUNIOR SERIES FLEX SET No. JA-60½

JUNIOR SERIES SOCKET SET No. JA-61½



JUNIOR SERIES SOCKET SET No. JA-62½

Junior Flex Set No. JA-60½

This set contains seven Hot Forged 12-point Sockets with ⅜" drive connections and the popular Junior Flex Handle which is always referred to as the handiest tool in the mechanic's kit. The Junior T Handle Bar No. J-33 is also included for use with the Flex Handle which is cross drilled for this purpose.

Contents, total of 9 pieces:—7 "Van-Chrome" 12-point Junior Sockets Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, providing a range of opening sizes from ⅜" to ¾" inclusive. Junior Flexible Handle No. J-13. T Handle Bar No. J-33.

SET No. JA-60, in fibre box. Weight 1 lb.
LIST PRICE **$5.40**

SET No. JA-60½, in metal box. Weight 2 lbs.
LIST PRICE **6.10**

Junior Series Socket Set No. JA-61½

A practical, well balanced assortment of Junior ⅜" drive series Sockets which is ideal for handling all types of light work in confined places. It covers a wide range of service in automotive, electrical, aviation and refrigeration work. There is ample room in the convenient metal box for additional "Van-Chrome" units which may be added as required at a small cost.

Contents, total of 17 pieces:—7 "Van-Chrome" 12-point Junior Sockets Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, providing a range of opening sizes from ⅜" to ¾" inclusive. 3 "Van-Chrome" 8-point Junior Sockets Nos. J-212, J-214, J-216, with openings of ⅜", 7/16", ½". Improved Junior Reversible Ratchet No. J-10. 17" Speeder No. J-17. Universal Joint No. J-35. Sliding T Handle No. J-21. 3 Extensions, J-23, 1½" long; J-27, 5" long; J-29, 11" long.

SET No. JA-61, in fibre box. Weight 3 lbs. 4 oz.
LIST PRICE **$14.60**

SET No. JA-61½, in metal box. Weight 5 lbs. 13 oz.
LIST PRICE **15.80**

Junior Series Socket Set No. JA-62½

A comprehensive, carefully selected assortment of Junior ⅜" drive Sockets, Handles and Attachments indispensable to the mechanic. Its broad range of service covers the wide variety of small nuts, regardless of location, which are daily encountered on motors, airplanes, refrigerators, radios, electrical devices and automobiles. The substantial, heavy gauge steel box is conveniently constructed to make any tool readily accessible and there is plenty of space for adding additional units.

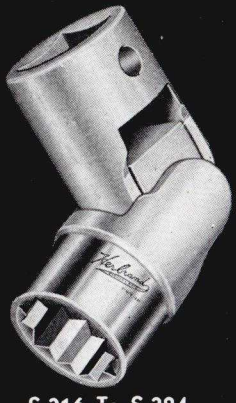
Contents, total of 31 pieces:—7 "Van-Chrome" 12-point Junior Sockets, Nos. J-112, J-114, J-116, J-118, J-120, J-122 and J-124, with a range of openings from ⅜" to ¾" inclusive. 3 "Van-Chrome" 8-point Junior Sockets J-212, J-214 and J-216 with openings of ⅜", 7/16" and ½". 3 Flexible 12-point Sockets, Nos. J-316, J-318 and J-320 which carry openings of ½", 9/16" and ⅝". 6 Extra deep 12-point Sockets Nos. J-414 to J-424 inclusive which provide openings from 7/16" to ¾". Reversible Ratchet No. J-10. Flex Handle No. J-13. Speed Handle No. J-17. Sliding T No. J-21. 1½" Extension No. J-23; 5" Extension No. J-27; 11" Extension No. J-29. T Handle Bar No. J-33. Universal Joint No. J-35. Spring Stabilizer No. J-36. Screw Driver Socket No. J-37. Drag Link Socket No. J-39. These Sockets and Attachments are described on pages 4 and 5.

SET No. JA-62, in fibre box. Weight 6 lbs.
LIST PRICE **$29.20**

SET No. JA-62½, in metal box. Weight 8 lbs.
LIST PRICE **30.20**

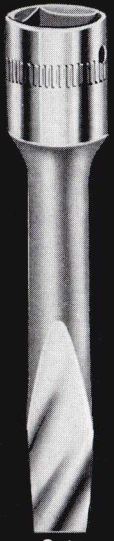
S-112 To S-140

S-212 To S-228



S-316 To S-324

DS-16 To DS-36



S-41

A-390 To A-395

S-37

"Van-Chrome" Standard Series Sockets

½" Square Drive—Extra Thin Straight Walls

Hot Forged from Chrome Molybdenum Steel

All excess weight and clumsiness have been eliminated. Every Socket individually Hot Forged which insures precision, accuracy, greater strength, durability, and compactness adapting them to faster performance. The height of each socket is graduated to a definite engineering formula to balance with the opening size and they are heavily knurled for a non-slip grip. All Standard Sockets are equipped with lock-on feature which firmly locks the sockets to the handles but releases easily. These sockets are extra powered by scientific heat treatment and finished in triple satin nickel with polished walls.

12-Point Sockets

No.	Openings	List Ea.
S-112	3/8	$ .50
S-114	7/16	.50
S-116	1/2	.50
¶S-117	17/32	.60
S-118	9/16	.60
†S-118V	9/16	.65
S-119	19/32	.60
S-120	5/8	.65
‡S-121	21/32	.65
♦S-122	11/16	.65
*S-123	23/32	.75
§S-124	3/4	.75
S-125	25/32	.75
S-126	13/16	.75
S-128	7/8	.85
⁑S-129	29/32	.85
S-130	15/16	.85
S-131	31/32	.85
S-132	1	.95
S-134	1 1/16	1.00
S-136	1 1/8	1.10
S-140	1 1/4	1.20

8-Point Sockets

No.	Openings	List Ea.
S-212	3/8	$ .50
S-214	7/16	.50
S-216	1/2	.60
S-218	9/16	.60
S-220	5/8	.65
S-224	3/4	.65
S-228	7/8	.70

Flexible 12-Point Sockets

Universal Joints and 12-point Sockets combined for turning nuts from any angle. Very compact and close-coupled. Real time savers in close quarters.

S-316	1/2	$2.15
S-318	9/16	2.15
S-320	5/8	2.15
S-322	11/16	2.15
S-324	3/4	2.15

¶S-117 Special 6-point Chevrolet Conn. Rod Socket.
†S-118V Special for Ford V-8 Conn. Rod Nuts.
‡S-121 For Ford A and B Conn. Rod Bearing Cap Nuts.
♦S-122 For Chevrolet Center and Rear Main Bearing Cap Screws.
*S-123 6-point for Chev. Front Main Bearing Screws, 1933-1934.
§S-124 Fits Rear Main Bearings on V-8 and all Ford Models.
⁑S-129 Shackle Bolt Socket for Plymouth, Chrysler and Dodge.

Extra Deep Socket and Spark Plug Wrenches

½" Square Drive—12-Point Openings

In addition to fitting all spark plugs these Extra Deep Sockets are invaluable for work on body bolts, spring clips and many other places where an extra long reach is necessary.

The side walls are straight and thin for clearance and the 12-point openings are smooth and deep, insuring an accurate positive fit. Knurled and finished in satin nickel with heads polished. Recessed spark plugs make these Sockets an absolute necessity.

Socket No.	Openings	Length	List Each	Socket No.	Openings	Length	List Each
DS-16	1/2	3	$1.05	DS-28	7/8	3 1/4	$1.30
DS-18	9/16	3	1.05	†DS-28B	57/64	3 1/4	1.30
DS-20	5/8	3	1.10	DS-30	15/16	3 1/4	1.40
§DS-22	11/16	3	1.10	‡DS-32	1	3 1/4	1.50
DS-24	3/4	3	1.10	DS-34	1 1/16	3 1/4	1.50
*DS-26	13/16	3	1.20	♦DS-36	1 1/8	3 1/4	1.70

§For Body Work.
*Fits 14 M.M. Plugs and all Chevrolets, 1933 to 1935.
†Extra Thin for Buick.
‡Fits 18 M.M. Plug also V-8.
♦For Ford A and 1932 V-8.

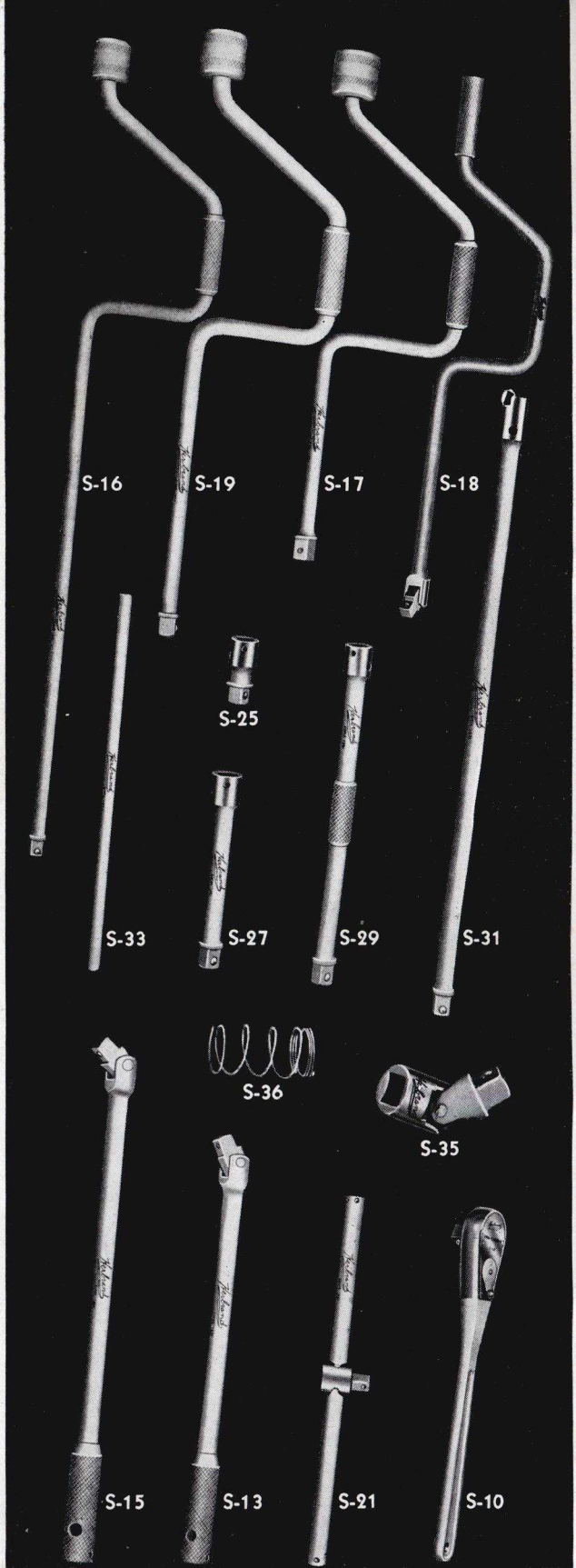
Drag Link and Screw Driver Sockets

S-37—DRAG LINK SOCKET, 3/4" Blade ..... $ .80
S-39—DRAG LINK SOCKET, 1" Blade ..... .80
S-41—SCREW DRIVER SOCKET, 3½" long. Width of bit 3/8". For use with Ratchet, Speed Handle, or any Standard Unit ..... .60

Socket Adaptors

These adaptors increase the range of your handles and permit the use of sockets of one series with handles of another series.

A-390—3/8" male, 1/2" female ..... $ .80
A-391—1/2" male, 3/8" female ..... .80
A-392—1/2" male, 5/8" female ..... .80
A-393—1/2" male, 3/4" female 1.10
A-394—3/4" male, 1/2" female 1.10
A-395—3/4" male, 5/8" female 1.20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S-10

Standard Series Handles and Attachments

½" Square Drive

Forged from Chrome Molybdenum Steel

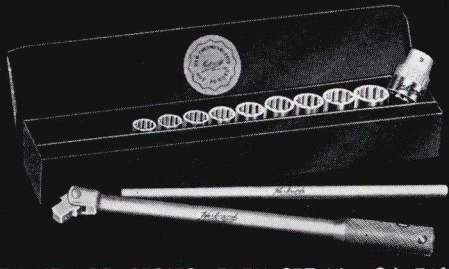
With these versatile and better designed Herbrand Socket Handles and Attachments it's easy to make any combinations desired. The comprehensive selection meets every known need. "Van-Chrome" Handles are lighter in weight than the ordinary types, which increases efficiency. Elimination of bulk and clumsiness enables them to get into those tough spots and they are easier to handle. Individual one-piece forging from the best select Chrome Steel and scientific heat treatment imparts rigidity and power that can't be equalled.

All "Van-Chrome" Handles and Attachments are equipped with Herbrand's well-known and distinctive lock-on feature. This is your assurance that the sockets "stay put"—no chance of them dropping off to cause grief and loss of time.

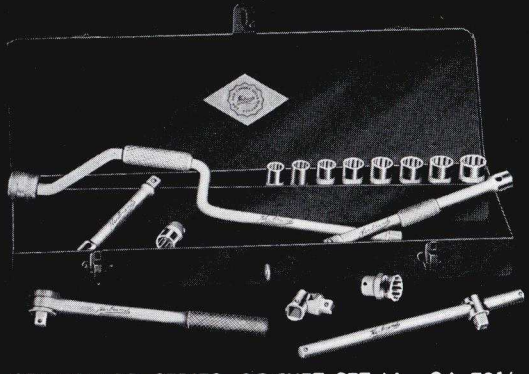
Herbrand Socket Handles are finished in lustrous triple satin nickel, the ends and faces are polished brightly. This finish is rust resisting and will retain its lustre indefinitely.

No.	Description	List Ea.
S-10	IMPROVED STANDARD RATCHET HANDLE, 9⅞" long. Instantly reversible with thumb control to operate the 28th of a turn either right or left. Designed with narrow head and slender handle for maximum accessibility. Absolutely trouble proof. Solid drop forged Chrome Vanadium handle	$4.70
S-13	FLEXIBLE OFFSET HANDLE, 12" long. A flex handle, a swivel handle, an offset handle, a T handle and a nut spinner all in one. Perfectly balanced with a compact swivel joint on a comfortable grip, knurled handle. A friction ball holds the drive tip firmly at any angle. The handle is cross drilled to insert T bar S-33 and has a square drive hole to fit other attachments	2.50
S-15	FLEXIBLE OFFSET HANDLE, 18" long. Square drive hole in handle, drilled for T handle bar S-33. Has same distinctive features as S-13	3.00
S-16	EXTRA LONG SPEEDER HANDLE, length 30". Specially built with extra long reach for getting into tough spots on present day motors. Saves time, labor and grief. Equipped with lock-on compression ball to prevent sockets falling off. Has knurled revolving grip handles for more speed. Designed with a short sweep for maximum clearance	2.50
S-17	SHORT SPEEDER HANDLE, 15" long. Knurled revolving grips. Gives more speed and clearance	1.70
S-18	FLEX SPEEDER HANDLE, 16" long. Combines the advantages of a flex handle and the fast working qualities of a speeder. A spring controlled friction ball holds the compact swivel joint at any desired angle, turning to a full 90° to tighten or break loose the most stubborn nut, then swings to the most convenient angle for spinning on or off. Equipped with knurled revolving grip handle. A time saver on cylinder heads, main bearings, connecting rods and the like	3.50
S-19	LONG SPEEDER HANDLE, 18" long. Herbrand Speeders are lighter in weight but careful forging from Chrome Steel and expert heat treatment give them extra rigidity. They are balanced for fast spinning qualities	1.90
S-21	SLIDING T HANDLE, 11" long. The forged head slides flush to the ends for use as an offset wrench and a friction ball holds the head firmly at any point on the bar.	1.30
	EXTENSIONS. Heads forged with ½" square drive opening for use with other attachments. Equipped with retaining holes for positive locking. Cross drilled in head for a T handle. Have lock-on ball and spring and forged with an offset shoulder which acts as a positive socket stop.	
S-25	EXTENSION, 2" long, forged solid	.60
S-27	EXTENSION, 5" long, forged solid	.80
S-29	EXTENSION, 10" long, with swivel grip	1.10
S-31	EXTENSION, 18" long, forged solid	1.40
S-33	T HANDLE BAR, 11" long, used to form T handle with all attachments which are cross drilled for this purpose	.25
S-35	UNIVERSAL JOINT, Improved, short coupled, positive locking. Facilitates adjustments in cramped places and reaches where others fail. Breaks over to full 90° angle	2.10
S-36	SPRING STABILIZER. Slides over universal joint for conversion into a flexible knuckle	.20

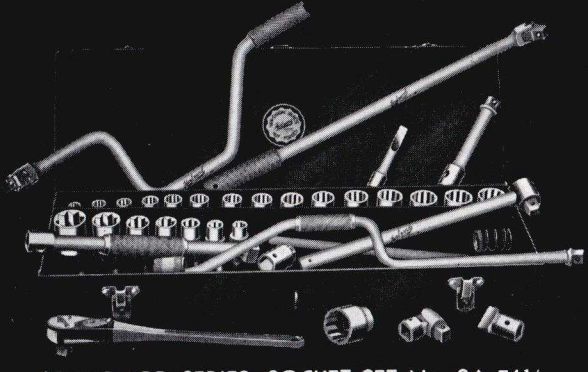
STANDARD SERIES SPARK PLUG SET No. DS-7½



STANDARD SERIES FLEX SET No. SA-71½



STANDARD SERIES SOCKET SET No. SA-72½



STANDARD SERIES SOCKET SET No. SA-74½

Spark Plug Socket Set No. DS-7½

Recessed spark plugs on modern motors make these Extra Deep Sockets an absolute necessity. The accurate, clean 12-points assure a firm, snug fit, eliminating the danger of cracked porcelains or mutilated plugs. A 7" slide bar is supplied with this set for use as a T handle. They are also machined with a ½" square drive opening so that any Standard Series Handles may be used.

SET No. DS-7, contains one each Nos. DS-26, DS-28, DS-28B, DS-30, DS-32, DS-36, DSH-6 Handle. Total of 7 pieces described on page 9.

SET No. DS-7, in fibre box. Weight 2 lbs. 10 ozs.
LIST PRICE **$8.40**

SET No. DS-7½, in metal box. Weight 3 lbs. 12 ozs.
LIST PRICE **9.10**

Standard Series Socket Assortment No. SA-70

A popular assortment of 16 "Van-Chrome" Hot Forged Sockets with 12-point openings and ½" square drive connections.

Contents: 16 twelve point Sockets, Nos. S-112, 3/8"; S-114, 7/16"; S-116, ½"; S-118, 9/16"; S-119, 19/32"; S-120, 5/8"; S-121, 21/32"; S-122, 11/16"; S-124, 3/4"; S-125, 25/32"; S-126, 13/16"; S-128, 7/8"; S-130, 15/16"; S-131, 31/32"; S-132, 1"; S-134, 1 1/16".

SET No. SA-70, in fibre box. Weight 2 lbs. 5 ozs.
LIST PRICE **$11.40**

Standard Flex Set No. SA-71½

This utility set carries the No. S-13 Flexible Handle and T Bar No. 33, combined with ten selected "Van-Chrome" Socket sizes. Contents, total of 12 pieces:—10, 12-point Sockets Nos. S-114, 7/16"; S-116, ½"; S-118, 9/16"; S-120, 5/8"; S-121, 21/32"; S-122, 11/16"; S-124, 3/4"; S-126, 13/16"; S-128, 7/8"; S-130, 15/16"; Flexible Handle No. S-13. T Bar No. S-33.

SET No. SA-71, in fibre box. Weight 2 lbs. 12 ozs.
LIST PRICE ..... **$ 9.50**

SET No. SA-71½, in metal box. Weight 4 lbs. 6 ozs.
LIST PRICE **10.30**

Standard Series Flex Set No. SA-73½

This set carries the extra long 18" Flex Handle No. S-15; T Bar S-33 and 16 Sockets with ½" square drive connection.

Contents, total of 18 pieces:—16 "Van-Chrome" 12-point Sockets same as listed set SA-70; Flexible Offset Handle No. S-15; T Handle Bar No. S-33.

SET No. SA-73, in fibre box. Weight 4 lbs. 9 ozs.
LIST PRICE **$14.65**

SET No. SA-73½, in metal box. Weight 6 lbs.
LIST PRICE **15.90**

Standard Series Socket Set No. SA-72½

The 10 most popular sizes of Standard Series "Van-Chrome" Sockets and 6 Handle Units. This set meets the needs of most mechanics and there is ample room in the attractive metal box for additional Sockets and Handles.

Contents, total of 16 pieces:—10, 12-point Sockets Nos. S-114, 7/16"; S-116, ½"; S-118, 9/16"; S-120, 5/8"; S-121, 21/32"; S-122, 11/16"; S-124, 3/4"; S-125, 25/32"; S-126, 13/16"; S-128, 7/8". Reversible Ratchet S-10. Speeder S-17. Sliding T S-21. Extension S-27. Extension S-29. Universal Joint S-35.

SET No. SA-72, in fibre box. Weight 6 lbs. 6 ozs.
LIST PRICE **$18.35**

SET No. SA-72½, in metal box. Weight 11 lbs. 8 ozs.
LIST PRICE **20.85**

Standard Series Socket Set No. SA-74½

A well balanced complete assortment of Standard Series Sockets and Handles. Carefully selected as those tools regularly required for all around service. Every professional mechanic needs this balanced set. The heavy gauge metal box will last a life time. It is fitted with lock, nickel clasps and a convenient carrying handle.

Contents: 16 twelve point Sockets, Nos. S-112, 3/8"; S-114, 7/16"; S-116, ½"; S-118, 9/16"; S-119, 19/32"; S-120, 5/8"; S-121, 21/32"; S-122, 11/16"; S-124, 3/4"; S-125, 25/32"; S-126, 13/16"; S-128, 7/8"; S-130, 15/16"; S-131, 31/32"; S-132, 1"; S-134, 1 1/16". 7 eight point Sockets, Nos. S-212, 3/8"; S-214, 7/16"; S-216, ½"; S-218, 9/16"; S-220, 5/8"; S-224, 3/4"; S-228, 7/8".

Includes special Handles and Attachments: Ratchet S-10; S-13 Flex Handle; S-17 Speeder; S-18 Flex Speed Handle; Sliding T; S-25, S-27, S-29 Extensions; T Spinning Bar No. S-33; Universal Joint S-35; Spring Stabilizer; S-37 Drag Link and S-41 Screw Driver Socket. Total 36 pieces.

SET No. SA-74, in fibre box. Weight 13 lbs.
LIST PRICE **$35.75**

SET No. SA-74½, in metal box. Weight 18 lbs.
LIST PRICE **38.25**

H-10

H-13

H-21

H-31

H-25

H-29

H-128 To H-170

"Van-Chrome" Heavy Duty Sockets and Handles

¾" Square Drive

Hot Forged from Chrome Molybdenum Steel

Carefully engineered and designed to perform the most strenuous work on large diameter nuts where extra strength and the safety factor are vitally important. Unnecessary bulk and weight which mean clumsiness are eliminated because these sockets are Hot Forged with straight, thin side walls and 12-point openings. Machined with raised knurl and equipped with a safety snap, lock-on feature. Triple satin nickel plate.

No.	Openings	List Ea.	No.	Openings	List Ea.
H-128	7/8	$ .90	H-146	1 7/16	$1.85
H-130	15/16	.95	H-148	1 1/2	2.00
H-131	31/32	.95	H-152	1 5/8	2.10
H-132	1	.95	H-156	1 3/4	2.90
H-134	1 1/16	1.10	*H-158	1 13/16	3.30
H-136	1 1/8	1.20	H-160	1 7/8	3.30
H-140	1 1/4	1.40	†H-164	2	3.70
H-142	1 5/16	1.40	H-170	2 3/16	4.40
H-144	1 3/8	1.65			

*For Rear Axle Nut, 1931 to 1933 Chev. Trucks †1934 and 1935 Trucks

The Handles are forged from a superior quality of Chrome Steel possessing unusual physical properties, toughness and resistance to extreme strains. Equipped with ball and spring positive lock-on.

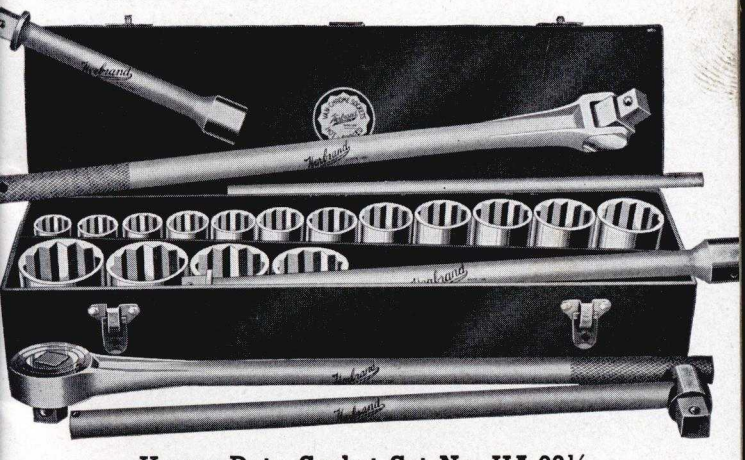
No.	Description	List Ea.
H-10	RATCHET HANDLE, 21" long. Power plus which handles the most obstinate nuts. The efficient ratcheting action employing 36 teeth and 4 dogs always engaged assures positive gripping, a short throw and an extra bite in close places....	$10.80
H-13	FLEX HANDLE, 21" long. Surplus power, distinctive advantages of working efficiency and more speed are featured in this tool. A friction spring plunger holds the hinged drive at any angle desired. The knurled handle is cross drilled for insertion of the spinning T Bar, sold as a unit with the handle	5.00
H-21	SLIDING T HANDLE, 20" long. Forged head slides flush to the ends and friction ball holds it firmly at any point....	2.90
H-25	EXTENSION, 4" long. All extensions forged solid. The heads have ¾" drive and the opposite ends an offset shoulder which provides a positive socket stop.....	1.30
H-29	EXTENSION, 8" long.....	1.80
H-31	EXTENSION, 16" long.....	2.30

Heavy Duty Socket Set No. HA-80½

Contents, total of 14 pieces:—11 "Van-Chrome" Heavy Duty Sockets Nos. H-128, 7/8"; H-130, 15/16"; H-131, 31/32"; H-132, 1"; H-134, 1 1/16"; H-136, 1 1/8"; H-140, 1 1/4"; H-144, 1 3/8"; H-146, 1 7/16"; H-148, 1 1/2"; H-152, 1 5/8". Sliding T Handle No. H-21. Extension No. H-29. Extension No. H-31.

SET No. HA-80, in fibre box. Weight 11 lbs.
LIST PRICE **$22.05**

SET No. HA-80½, in metal box. Weight 16 lbs.
LIST PRICE **24.85**

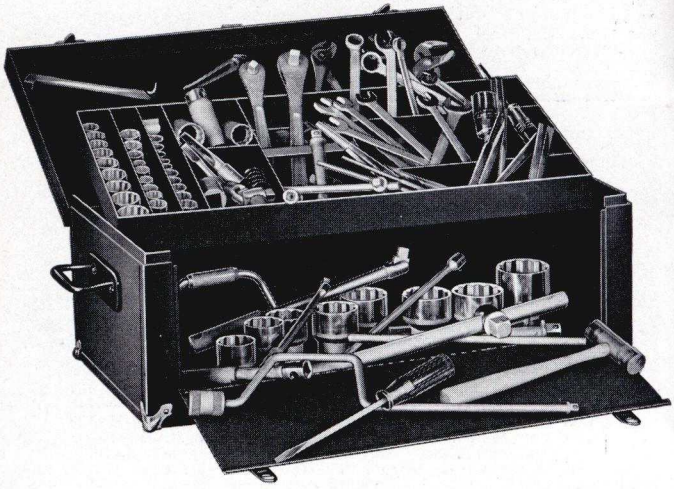


Heavy Duty Socket Set No. HA-82½

Contains 1 each of sixteen 12-point Sockets listed above, Nos. H-128 to H-164, also the Heavy Duty Ratchet, Flex Handle and Spinning T Bar, Sliding T Handle and 2 Extensions Nos. H-29 and H-31. Total of 22 pieces.

SET No. HA-82, in fibre box. Weight 28 lbs.
LIST PRICE **$52.45**

SET No. HA-82½, in metal box. Weight 36 lbs.
LIST PRICE **56.00**



The Magic Chest of 101 "Van-Chrome" Tools No. MC-101

Like the magic of Aladdin's lamp, when the lid of this chest is lifted, the sparkle of 101 practical tools of a thousand and one uses transports the mechanic to a complete tool room—nothing unnecessary—nothing missing. All genuine Herbrand "Van-Chrome"—the ultimate in tool perfection. The sturdy chest of heavy gauge metal will stand the rigors of a lifetime of service and is heavily lacquered to resist rust. Trays may be removed or the entire box rolled easily on smooth running ball bearing castors. The Magic Chest may be purchased with the complete listed assortment selected by experts, or the modified set which is ideal for the beginning of a complete chest.

The Magic Chest No. MC-101

A Complete Tool Room of the 101 Most Essential Tools

Junior Series Sockets and Handles—3/8" Drive

7 twelve-point, straight, thin wall Sockets: Nos. J-112, 3/8"; J-114, 7/16"; J-116, 1/2"; J-118, 9/16"; J-120, 5/8"; J-122, 11/16"; J-124, 3/4".
3 eight-point, thin wall Sockets: Nos. J-212, 3/8"; J-214, 7/16"; J-216, 1/2".
2 Extra Deep 12-point Sockets: Nos. J-416, 1/2" and J-418, 9/16".
No. J-10 Improved Reversible Ratchet; J-13 Flexible Offset Handle; J-17 Speed Handle; J-27 Extension 5" long; J-35 Universal Joint; J-36 Spring Stabilizer; J-37 Screw Driver Socket; J-33 Sliding T Bar.

Standard Series Sockets and Handles—1/2" Drive

15 twelve-point, straight, thin wall Sockets: Nos. S-112, 3/8"; S-114, 7/16"; S-116, 1/2"; S-118, 9/16"; S-119, 19/32"; S-120, 5/8"; S-121, 21/32"; S-122, 11/16"; S-124, 3/4"; S-125, 25/32"; S-126, 13/16"; S-128, 7/8"; S-130, 15/16"; S-131, 31/32"; and S-132, 1".
3 eight-point, thin wall Sockets: Nos. S-216, 1/2"; S-218, 9/16"; S-220, 5/8".
3 Extra Deep Sockets: DS-26, 13/16"; DS-28, 7/8" and DS-32, 1".
Socket Extension Adaptor No. A-390 3/8" x 1/2" and No. A-391 1/2" x 3/8".
No. S-10 Improved Reversible Ratchet with 28 teeth; S-13 Flexible Offset Handle; S-17 Speeder Handle; S-27 Extension 5" long; S-29 Extension with swivel spinning grip, 10" long; S-33 T Handle Bar; S-35 Short Coupled Universal Joint; S-36 Spring Stabilizer; S-37 Drag Link Socket and No. S-41 Screw Driver Socket.

Heavy Duty Series Sockets and Handles—3/4" Drive

8 twelve-point, straight, wall Sockets: Nos. H-134, 1 1/16"; H-136, 1 1/8"; H-140, 1 1/4"; H-144, 1 3/8"; H-146, 1 7/16"; H-148, 1 1/2"; H-156, 1 3/4"; H-158, 1 13/16".
No. H-21 Sliding T Handle 20" long; H-25 Extension 4" long; H-29 Extension 8" long and No. A-393 Extension Adaptor Plug 1/2" and 3/4".

Miscellaneous Tools

6 Multitype Combination Box and Open End Wrenches: Nos. 1214, 7/16"; 1216, 1/2"; 1218, 9/16"; 1220, 5/8"; 1222, 11/16" and 1224, 3/4".
15 "Van-Chrome" Assorted Punches and Chisels as follows: Flat Chisels Nos. 401, 5/16" x 5"; 402, 3/8" x 6"; 403, 1/2" x 6". Cape Chisels, Nos. 410, 5/16" x 5"; 412, 1/2" x 6". Gouge Chisel No. 421, 3/8" x 6". Diamond Point Chisel No. 431, 3/8" x 6". Pin Punches, Nos. 443, 5/16" x 6"; 444, 3/8" x 6 1/2"; 445, 3/8" x 6 7/8"; 446, 3/8" x 7". Solid Punches Nos. 451, 3/8" x 5"; 452, 1/2" x 6" and 453, 5/8" x 7". Center Punch No. 471, 3/8" x 5".
Open End Wrenches: Nos. 1725B, 1/2" and 9/16"; Special 1027F, 5/8"x11/16".
Protectogrip Insulated Handle Screw Drivers as follows: Nos. 310, 2" blade; 312, 3" blade; 315, 1 1/4" blade; 316, 6" blade. No. 354 Offset Screw Driver, 6 1/2" long.
Tappet Wrenches, 2 each of No. H-2 with 1/2" and 9/16" openings and No. H-3 with 5/8" and 11/16" openings.
Special Pliers: No. 166 1/2-S Improved Water Pump and General Service Plier; No. 179-S Battery Plier; No. 167-S Midget Ignition Plier.
No. 652 Protectotip Hammer.

SET No. MC-101, comprising one each of the 101 tools listed above, including the sturdy metal chest illustrated and described. Size of chest 23 1/2" long, 9" high and 11 1/2" wide. Weight complete 60 lb.

LIST PRICE, complete **$116.75**
LIST PRICE, No. MC, chest only **16.50**

The Magic Chest No. MC-56

With Modified Assortment of 56 Tools

Junior Series Sockets and Attachments—3/8" Drive

7 straight wall, extra thin 12-point Sockets, sizes 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4".
3 straight wall, 8-point Sockets, sizes 3/8", 7/16" and 1/2".
8 Handles and Attachments as follows: Nos. J-10 Reversible Ratchet; J-21 Sliding T Handle; J-17 Speeder Handle; J-27 Extension, 5" long; J-33 Spinning T Bar; J-35 Universal Joint; J-36 Spring Stabilizer; J-37 Screw Driver Attachment.

Standard Series Sockets and Attachments—1/2" Drive

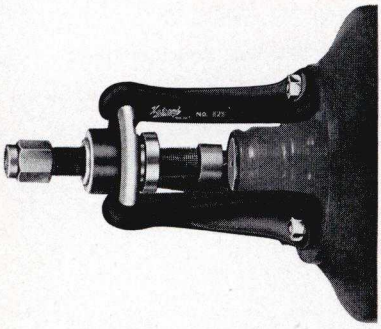
15 extra thin, straight wall, 12-point Sockets, sizes 3/8", 7/16", 1/2", 9/16", 19/32", 5/8", 21/32", 11/16", 3/4", 25/32", 13/16", 7/8", 15/16", 31/32", and 1".
3 Extra Deep 12-point Sockets, sizes 13/16", 7/8" and 1".
3 straight, thin wall Sockets, 8-point openings, sizes 1/2", 9/16" and 5/8".
7 Handles and Attachments: Nos. S-10 Reversible Ratchet; S-17 Speeder Handle; S-21 Sliding T Handle; S-27 Extension, 5" long; S-33 Spinning T Bar; S-35 Universal Joint; S-36 Spring Stabilizer.

Miscellaneous Tools

4 Multitype Combination Box and Open End Wrenches, sizes 7/16", 1/2", 9/16" and 5/8".
3 Protectogrip Screw Drivers: Nos. 310, 2" blade; 312, 3" blade; 315, 1 1/4" blade.
No. 166-S Multigrip Water Pump and General Service Plier; No. 167-S Midget Electrical Plier and No. 652 Protectotip 8 oz. Hammer.

SET No. MC-56, containing one each of the 56 tools described above, including the same sturdy chest illustrated for set MC-101. Size of chest 23 1/2" long, 9" high and 11 1/2" wide.

LIST PRICE, complete **$66.00**



"Van-Chrome" No. 825 Universal Hub Wheel Puller

Capacity for Most Cars

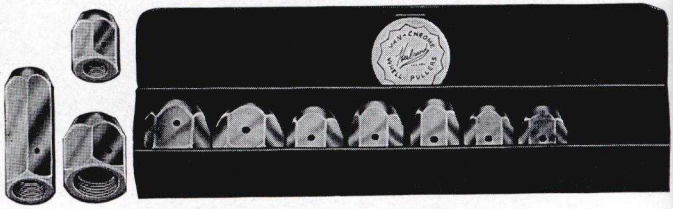
No hub puller on the market, regardless of price, can compare with the newly perfected Universal No. 825. The revolutionary features embodied give the highest degree of accuracy, tremendous power and range, a straight pull that will not bend or distort wheel lugs, a sliding bearing in which the driving screw rides and a floating cap on the screw end. The sturdy alloy steel screw works in a sliding bearing so that when it is necessary to bump the end of the screw it positively cannot injure the threads as is often the case where the screw works in the solid hub of other type pullers. The fine threading of the screw gives it a powerful thrust and will stand tremendous punishment because it is scientifically heat treated to exacting specifications. Another unique feature, not found on other pullers, is the floating cap on the screw end which centers on the axle and avoids injury to either axle or screw. These distinctive Herbrand features improve the tool so remarkably that it is immediately obvious to the mechanic that no injury can be transmitted to any of the inner parts of the wheel, axle or differential.

The simplest puller made yet covering the widest range of service without the use of any trick attachments. Complete in itself—requires no taking apart—nothing to assemble and combines the best features of both puller and knock-off. The sliding arms are readily adjustable and quickly adapted to any hub regardless of the number of wheel studs used and where the bolt circle does not exceed 7½". Thoroughly tested in laboratory and on all makes of cars it exerts a direct and tremendous pull without resorting to pounding or hammering. Only Herbrand provides the Universal Hub Puller with sliding bearing and floating cap.

The toughest, most stubborn hub responds quickly to the persuasive power of the Universal Hub Puller.

No. 825, 7½" expansion. Weight 9 lbs. 10 ozs.

LIST PRICE, each..... **$14.00**



"Van-Chrome" Knock-Out Wheel Pullers

Nickel Plated and Polished

Chrome Alloy Steel

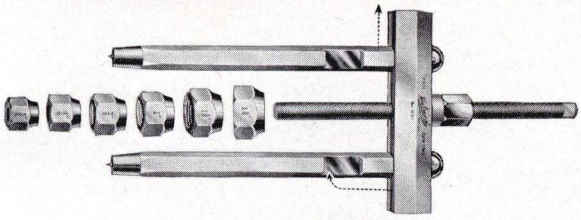
Dependable because they are accurately machined from tough Chrome Alloy Steel and heat treated for strength and shock resistance. They screw up snug to the end of axle shaft and will stand the hardest hammer blows without injury to threads or shafts. The heads will not mushroom or split. Finished in satin nickel with polished heads.

Part No.	Size Opening	Threads to Inch	Height	List Each
†KO-20	5/8	18 SAE	1 5/8	$ .90
KO-24	3/4	16 SAE	1 3/4	1.00
*KO-24T	3/4	20 USF	2	1.00
KO-26	15/16	16 SAE	3 1/2	1.10
KO-28	7/8	14 SAE	1 3/4	1.10
§KO-28H	7/8	18 USF	1 3/4	1.10
KO-32	1	14 SAE	1 3/4	1.20
KO-36	1 1/8	12 SAE	1 3/4	1.50
KO-40	1 1/4	7 USS	1 3/4	1.90
‡KO-40T	1 1/4	12 SAE	1 3/4	1.90

†Ford V-8 *Terraplane §Hudson Essex ‡Chevrolet Truck

SET No. KO-10 illustrated contains one each of the ten Knock-Outs listed in the above table to service practically all makes of light cars and trucks. Weight 7½ lbs.

LIST PRICE, in metal box..... **$13.40**



"Van-Chrome" Heavy Duty Puller

For Axles, Shafts, Gears, Bearings, Sprockets, etc.

Chrome Vanadium Steel

A new Heavy Duty Puller, designed to do a great many difficult pulling jobs and replace a large number of costly special tools. Permits a wide variety of adjustments by using Detachable Threaded Adaptors for pulling axle shafts, cam shafts, drive shafts, transmission shafts, gears, bearings, sprockets, ball races and other parts from every make of car and most trucks.

It has two adjustments for length and the Chrome Vanadium pulling block is slotted so the jaws can be set at any desired width. The six Threaded Adaptors, 5/8" to 1 1/4" inclusive, cover the general field of use and additional sizes are available for special jobs. Satin nickel plated.

Catalog Number	Adaptor Openings	Threads to Inch	List Each	Catalog Number	Adaptor Openings	Threads to Inch	List Each
852	5/8	18 SAE	$ .65	*853T	3/4	20 Spec.	$ .80
853	3/4	16 SAE	.65	†853C	13/16	16 Spec.	.80
854	7/8	14 SAE	.80	‡854H	7/8	18 Spec.	.80
855	1	14 SAE	.80	§857S	1 1/4	7 USS	1.00
856	1 1/8	12 SAE	1.00	858	1 1/2	12 SAE	1.20
857	1 1/4	12 SAE	1.00				

*Terraplane †Chevrolet 1932 ‡Hudson Essex §International Truck

No. 851 Heavy Duty Puller. Length 12". Weight 6 lbs.
LIST PRICE, each **$13.30**

SET No. 850 illustrated containing No. 851 Puller and 6 Threaded Adaptors Nos. 852, 853, 854, 855, 856 and 857. Weight 8 lbs.
LIST PRICE, complete in fibre box **18.20**

"Van-Chrome" Bearing Race Puller No. 860

For Chevrolet, Nash, Hudson, Hupp, all Chrysler Built Cars and Others

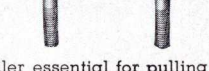
Chrome Vanadium Steel—Reversible Jaws

Used with the Heavy Duty Puller this special tool performs with ease one of the most difficult service jobs. With jaws curved to conform to the contour of the Timken race it will pull badly worn races without scoring the inside of the axle housing. Bearings in good condition may also be removed without damage. The jaws are adjustable covering a range from 1 3/4" to 4 3/4" inside diameter. Reversible jaws so it can be applied to both inside and outside pulling work. Heat treated throughout. Satin nickel finish.

No. 860. Length 7 1/2". Weight 3 lbs.
LIST PRICE, each **$15.00**

No. 860 1/2. Extra Long Jaws to pull grease retainers and ball races on large trucks.
LIST PRICE, per pair **7.50**

"Van-Chrome" Timing Gear Puller No. 861



For Timing Gears, Fan Pulleys, Balancers, Cam Gears, etc.

Chrome Vanadium Steel

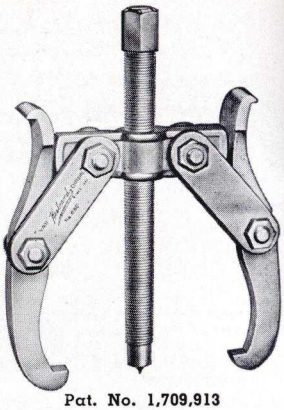
An important attachment for the Heavy Duty Puller essential for pulling timing gears, cam gears, fan pulleys, balancers, Hudson-Essex main bearings and many other jobs. Pulls Chevrolet fan pulleys with harmonic balancers, Buick crankshaft gears and all others which are tapped for cap screws. Untapped gears may be tapped to the proper size and removed easily with this tool. The slotted Chrome Vanadium block is equipped with two 3/8" U.S.S. heat treated cap screws which may be removed and replaced with other sizes if necessary. Double plated.

No. 861. Length 4 1/2". Weight 1 lb. 3 ozs.
LIST PRICE, each **$4.15**

"Van-Chrome" Improved Gear Pullers

Non-Slipping
Automatic Grips

Drop Forged from Chrome Vanadium Steel

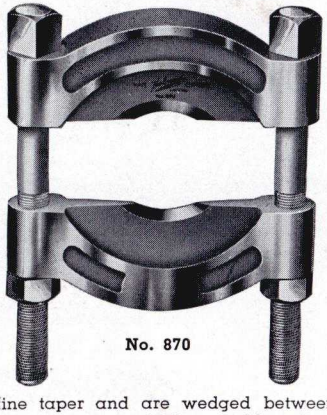


Pat. No. 1,709,913

A Gear Puller with automatic, non-slip grip has long been sought by mechanics. The patented, positive gripping jaws absolutely prevent slipping because the harder the pull the tighter the grip. Strong, thin jaws permit working in close quarters and no adjustments or extra equipment are required to hold them firmly in place. Light in weight yet the strongest gear pullers made. The double end jaws have wide thin hooks on one end and narrow thick hooks on the other, adapting them to a much wider range of work without the necessity of buying extra jaws. They will handle all small and large gears, pinions, ball races and the like. Every part is drop forged from select Chrome Vanadium Steel and carefully heat treated to a definite standard of strength to insure the utmost endurance under the terrific strains to which gear pullers are subjected. Available in two sizes required to cover all types of work. Finished in triple satin nickel plate with ends brightly polished.

No. 830, Length of jaws under cross arm 3½". Spread of jaws 6". Size of screw ½" by 6" with hexagon head. Weight 1 lb. 10 ozs.
LIST PRICE, each ..... **$ 8.30**

No. 831, Length of jaws under cross arm 5½". Spread of jaws 8". Size of screw ⅝" by 9" with hexagon head. The reversible arms have slotted hooks on one end. Weight 3 lbs. 12 ozs.
LIST PRICE, each **$15.80**



No. 870

"Van-Chrome" Bearing Separators

For Separating and
Removing Bearings

Drop Forged from Chrome Vanadium Steel

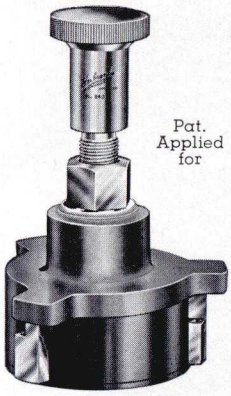
The removal of double bearings on axle shafts without damaging or completely destroying one of them is no longer an impossibility. Herbrand engineers, working with mechanics, perfected the tool which handles this most difficult job efficiently and pays for itself in the cost of bearings saved on the first few jobs. The knife-like edges are ground to a fine taper and are wedged between the bearings when the forcing screws are turned. This quickly splits the bearings without damage. The bearings are then removed from the shaft with an arbor press or Herbrand No. 831 Gear Puller.

No. 870 Bearing Separator is particularly adapted to the separation and removal of bearings on the axle shafts of Chrysler, Dodge, Plymouth, DeSoto, Nash, Hupmobile, Erskine, Reo, Rockne and all other cars using Timken bearings up to 4¼" outside diameter.

Capacity, bearings up to 4¼" outside diameter. Overall dimensions 8" x 6". Satin nickel finish. Weight 5 lbs. 4 ozs.
LIST PRICE, each **$15.00**

No. 871 Bearing Separator is adapted to service large bearings especially on trucks and busses. These truck bearings are very costly and the use of this tool eliminates the hazard of damaging them in removal.

Capacity, bearings up to 5¾" outside diameter. Overall dimensions 10" x 7½". Satin nickel finish. Weight 7 lbs. 4 ozs.
LIST PRICE, each **$24.00**



Pat. Applied for

Cylinder Wall Ridge Reamers

Expanding Type—Range $2\frac{1}{16}$" to 5"

Indispensable for Motor Reconditioning

Perfect for removing the unworn part or ridge at the top of cylinder walls accurately and efficiently in a few minutes' time without scratching or scoring. The three expanding cutters have guides at the bottom which prevent removing too much metal. They automatically stop cutting as soon as the ridge is entirely removed. The guides follow the cylinder walls and the cutters remove metal only where necessary to conform to the cylinder contour.

The cutters are made from a special analysis Tool Steel and the entire tool is built for long life and lasting service. This valuable tool is indispensable wherever motor reconditioning work is done, because it is impossible to perform a satisfactory piston ring job without first removing the ridge. If the ridge is not removed a noisy motor will result, oil consumption cannot be controlled and satisfactory compression obtained.

Available in the two sizes that cover the complete range of work, operating on cylinders from $2\frac{1}{16}$" to 5". To adjust cutters remove knob at top and turn square adjusting screw to the right. The knurled knob provides a positive means of supplying proper pressure to hold the tool firmly in place and prevent chattering. Turning the tool backwards and taking heavy cuts should be avoided.

No. 842, capacity $2\frac{1}{16}$" to $3\frac{5}{8}$". Weight 3 lbs. Height $5\frac{1}{2}$".
LIST PRICE, each **$10.00**

No. 844, capacity $3\frac{9}{16}$" to 5". Weight 4 lbs. 12 ozs. Height $5\frac{1}{2}$".
LIST PRICE, each **11.00**

Set of 3 extra cutters for either of above.
LIST PRICE, per set **3.30**

"Van-Chrome" Stud Setter and Extractor No. 820

Ratchet Action, Revolving Head, Capacity $\frac{1}{4}$" to $\frac{3}{4}$"

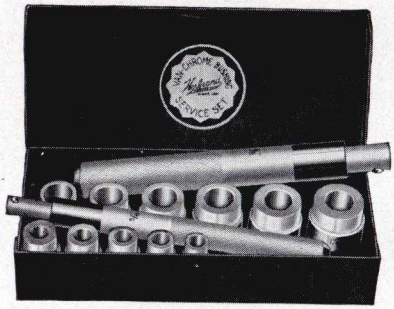
Chrome Alloy Steel—Nickel Plated

Patent Pending

New—modern—improved and scientifically engineered to take a positive, biting grip on studs and remove them with little effort, without the hazard of slipping. This compact tool handles all studs from $\frac{1}{4}$" to $\frac{3}{4}$", covering a range of service including all passenger cars and practically all trucks. Improved engineering and the use of super-quality steel eliminate bulk and clumsiness, permitting it to engage and remove studs which are inaccessible to other tools. Close to the dash rear studs are easy. It operates on the gear principle for gripping. The self-adjusting, eccentric roller forms a wedging action against the stud, develops tremendous power, cannot slip, will not lock on the job and releases quickly when pressure is removed. Built to avoid the danger of snapping off or mutilating studs.

The driving stud on top of the tool carries a $\frac{1}{2}$" square drive service connection for use with any ratchet handle, flex handle, or standard socket handle.

No. 820, Height 2". Diameter 2". Weight 15 ozs. Satin nickel finish.
LIST PRICE, each **$3.00**



SET No. 570½

"Van-Chrome" Universal Bushing Service Tools

A Size for Every Need—Triple Nickel Finish

Chrome Vanadium Steel

The new thin bushings used so extensively on modern cars are difficult to remove without the proper tools. Eleven interchangeable Step Collars and two Driving Handles cover the complete range of sizes for the large variety of bushings encountered on present day cars, trucks, buses, tractors and electric motors.

The five smaller Collars and ⅜" service Driving Handle cover a range from ½" to ¾" inside diameter. The six large Collars to fit the ⅝" service Driving Handle vary from 1 3/16" to 1⅛" inside diameter. Included in these sets is a size for nearly every bushing found on generators, starters, distributors, transmissions, pistons, connecting rods, tie rods, spindles, king pins, springs, steering gears, water pumps, etc.

All parts are made from Chrome Vanadium Steel. Collars are accurately machined to insure a perfect fit and are held securely in place on the Driving Handle by a spring compression ball. The Handles are deeply knurled. We recommend complete sets but the Handles and Step Collars can be purchased individually if desired.

⅜" SERVICE STEP COLLARS

Catalog No.	Inside Diameter Bushing	Outside Diameter Bushing	List Price Each
552	1/2	5/8	**$ .40**
553	9/16	11/16	**.40**
554	5/8	3/4	**.40**
555	11/16	13/16	**.40**
556	3/4	7/8	**.40**

No. 551, Driving Handle ⅜" service for above Collars. Length 7".
LIST PRICE, each **$1.25**

SET No. 550 contains 1 each of the five Step Collars Nos. 552-556 inclusive, and No. 551 Driving Handle.
LIST PRICE, in fibre box **3.25**

⅝" SERVICE STEP COLLARS

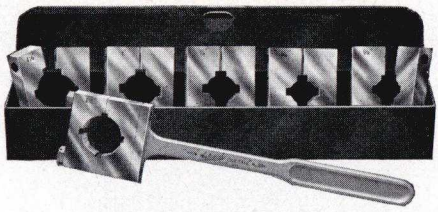
562	13/16	15/16	**$ .55**
563	7/8	1	**.55**
564	15/16	1 1/16	**.55**
565	1	1 1/8	**.55**
566	1 1/16	1 3/16	**.55**
567	1 1/8	1 1/4	**.55**

No. 561 Driving Handle ⅝" service for above Collars. Length 7".
LIST PRICE, each **$2.00**

SET No. 560 contains 1 each of the six Step Collars Nos. 562-567 inclusive, and No. 561 Driving Handle.
LIST PRICE, in fibre box **5.30**

SET No. 570, a complete assortment of 11 Step Collars and 2 Driving Handles listed above.
LIST PRICE, complete, in fibre box **8.55**

SET No. 570½, a complete assortment of 11 Step Collars and 2 Driving Handles listed above.
LIST PRICE, complete, in metal box **9.25**



Pat. Applied For

SET No. 880½

"Van-Chrome" Rethreading Tools and Sets

Interchangeable Unit Dies

Chrome Vanadium Steel—Attractively Nickel Plated

Another Herbrand contribution to the economy and efficiency of mechanics. A separate drop forged Handle in which any size Rethreading Die may be quickly inserted. The most practical idea yet evolved for a Rethreading Tool. With the old type of rethreader in which several dies are cut immovably in one tool, the mechanic often pays for die sizes for which he has no use—also the most frequently used sizes cannot be replaced when worn or damaged without buying an entire new costly outfit. With the Herbrand Rethreading Tool it is only necessary to purchase the Handle and separate die sizes best suited to the individual need. Additional interchangeable dies may be purchased separately as conditions demand.

The "Van-Chrome" Rethreading Tool is the most modern for straightening and restoring battered or deformed threads which have become damaged through pounding or cross threading on axle shafts, cam shafts, transmission shafts, drive shafts, bolts, studs and the like.

The specially designed Handle is drop forged from Chrome Vanadium Steel, provides the greatest possible speed and is light in weight for ease of handling. The simple removal of two bolts permits the insertion of the proper size die. All dies are interchangeable on handle.

It performs a perfect job with a minimum of time and effort. The die should be placed on the shaft back of the damaged threads and backed off, making two or three passes, tightening the die slightly each time. The final pass should be made with the bolts securely tightened, which will size the threads perfectly.

Catalog No.	Size of Die	Threads to Inch	List Price Each
882	⅝	18 SAE	**$1.65**
883	¾	16 SAE	**1.65**
884	⅞	14 SAE	**1.65**
885	1	14 SAE	**1.90**
886	1⅛	12 SAE	**1.90**
887	1¼	12 SAE	**1.90**
***888**	¾	20 Spec.	**1.65**
†889	13/16	16 Spec.	**1.65**
‡890	⅞	18 Spec.	**1.65**
§891	1¼	7 USS	**1.90**

*Terraplane †Chevrolet—late 1932 ‡Hudson-Essex §International Truck

No. 881 Handle only. Length 10¼". Weight 9 ozs.

LIST PRICE, complete with bolts, each **$1.00**

SET No. 880 includes Handle No. 881 and 6 Interchangeable Dies, Nos. 882, 883, 884, 885, 886, 887 listed above. Weight 3 lbs. 12 ozs.

LIST PRICE, complete, in fibre box **11.65**

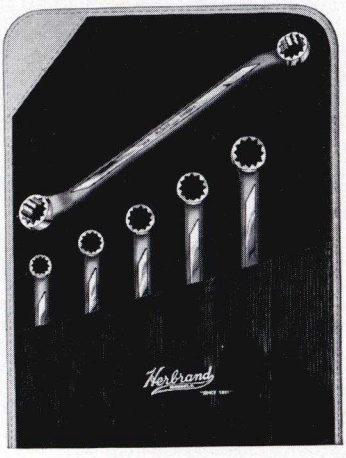
SET No. 880½ same as Set 880. Weight 4 lbs. 12 ozs.

LIST PRICE, complete, in metal box **12.35**

"Van-Chrome" Ultra Box Wrenches

Modern—Improved—Specially Angled—Panelled Handles

Drop Forged from Chrome Vanadium Steel



SET No. 3901

Ultra in name, ultra in modern design, these wrenches are the utmost in versatility and offer the broadest scope of service. Herbrand introduces them after working extensively with mechanics in order to develop a box wrench to the highest degree of perfection, which would be more efficient and better adapted to the service of modern cars.

Low and close clearances offer no difficulties of accessibility because the heads are distinctively angled at approximately 30 degrees. This new angle assures perfect clearance for both knuckles and head bolts but retains sufficient offset to reach countersunk or imbedded nuts with ample leverage for a strong pull and without any possibility of tilting. The extremely thin side walls of the 12-point openings are machined to exacting tolerances to snugly fit bolt heads or nuts for which they are sized. Chamfered both top and bottom so that either side may be used with equal facility, they locate and engage automatically.

Painstakingly engineered to a very definite formula for perfect graduation and balance of length, size openings and clearance on today's compact motors. Beauty of appearance and perfect comfort of grip have been combined in the raised bar design which readily marks them as quality tools of distinction.

Individually drop forged from the finest Chrome Vanadium Steel and scientifically heat treated for life-time service. Handsomely triple plated in lustrous satin nickel with heads polished to mirror brightness.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	List Price Each
3923	3/8 & 7/16	.....	3/16 & 1/4	.... 1/4	6 1/2	$ .85
3925	1/2 & 9/16	1/4.....	5/16 & 3/8	5/16 & 3/8	7 9/16	.95
3927	9/16 & 5/8	.....	3/8 & 7/16	3/8 & 7/16	8 5/8	1.05
3929	5/8 & 11/16	..... 3/8	7/16.....	7/16.....	9 11/16	1.10
3931	3/4 & 13/16	.....	1/2 & 9/16	1/2.....	10 7/8	1.25
3933	7/8 & 15/16	1/2.....	5/8.....	9/16 & 5/8	12 1/4	1.60

EXTRA LONG

***3935**	1 & 1 1/16	..... 5/8	3/4.....	1 1/16 & 3/4	16	**2.60**
***3937**	1 1/8 & 1 1/4	..... 3/4	7/8 & 1	..... 7/8	18	**3.20**
***3939**	1 7/16 & 1 1/2	7/8.....	.....1 1/4	1.....	20	**3.90**

*Do not have embossed panel design.

SET No. 3901 contains 6 wrenches one each of 3923 to 3933 inclusive.

LIST PRICE, in fibre box **$6.80**

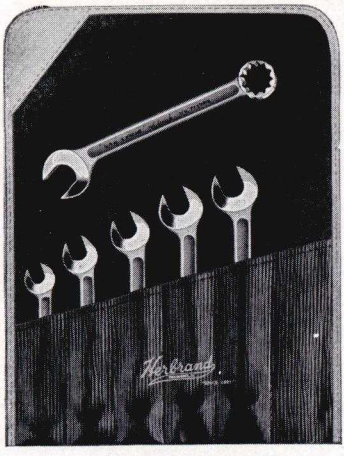
LIST PRICE, in canvas bag **7.00**

LIST PRICE, in leatherette roll **7.70**

"Van-Chrome" Multitype Wrenches

Combination Box and Open End

Drop Forged from Chrome Vanadium Steel



SET No. 1227

The new "Van-Chrome" Multitype is a dual-purpose wrench combining in one tool two types of openings—box and open end. The advantages instinctively appeal to every mechanic because the handy and practical combination of different type openings equip him for most emergencies. If one style opening is not adapted to the particular job simply flip the wrench over and use the other end.

These general service wrenches find a wide range of use and are especially adaptable for carburetor, manifold, clutch, generator and starter work.

The box end, with its 12-point opening, is offset at 15° to give the proper clearance for obstructions and knuckles. The open end is angled at 22½° for efficiency. Each end has the same size openings. Handles are panelled for a firm grip, and ease of handling.

The six popular sizes in which these wrenches are made cover at least 90 per cent of general service work. Drop forged from special analysis Chrome Vanadium Steel, accurately machined and heat treated all over for super-strength. Finished in triple satin nickel with heads polished to a high lustre.

Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	List Price Each
1214	7/16	..	1/4	1/4	**5**	**$ .80**
1216	1/2	1/4	5/16	5/16	**5½**	**.90**
1218	9/16	..	3/8	3/8	**6**	**1.00**
1220	5/8	..	7/16	7/16	**6½**	**1.10**
1222	11/16	3/8	..	..	**7**	**1.20**
1224	3/4	..	1/2	1/2	**7½**	**1.35**

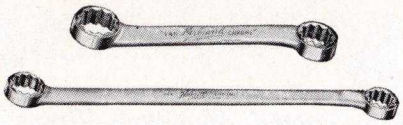
Designed for general service use, this set is ideal for carburetor work on Ford, Chevrolet, Pontiac and many other cars.

SET No. 1225, 1 each of the first four sizes. Weight 12 ozs.

LIST PRICE, in fibre box **$3.80**
LIST PRICE, in canvas bag **3.95**
LIST PRICE, in pocket leatherette case **4.30**

SET No. 1227 contains 1 each of all the above. Weight 1 lb. 6 ozs.

LIST PRICE, in fibre box **$6.35**
LIST PRICE, in canvas bag **6.50**
LIST PRICE, in pocket leatherette case **6.95**



"Van-Chrome" Multihex Box Wrenches

10° and 15° Angle Patterns

Drop Forged from Chrome Molybdenum Steel

Easy knuckle clearance of an offset wrench, with the accessibility of a straight wrench applying a direct powerful pull on the nut. Either side of the wrench may be used and they have different 12-point openings in each head with extra thin side walls.

Made with two different degrees of offset heads—the Short Pattern 15° and the Long with 10° angle heads and they are available in all the popular opening sizes. Smoothly ground all over and double plated in satin nickel with the heads brightly polished.

SHORT 15° PATTERN

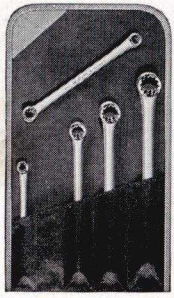
Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	List Price Each
6723	3/8 & 7/16	.....	3/16 & 1/4	..... 1/4	4	$ .70
6725B	1/2 & 9/16	1/4.....	5/16 & 3/8	5/16 & 3/8	4 1/2	.75
6727A	5/8 & 11/16	..... 3/8	7/16.....	7/16.....	5	.85

LONG 10° PATTERN

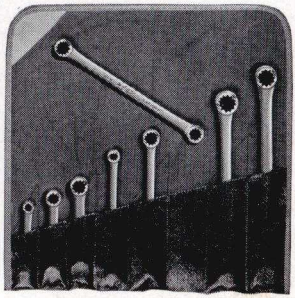
5723	3/8 & 7/16	.....	3/16 & 1/4	..... 1/4	6 3/4	$ .80
5725B	1/2 & 9/16	1/4.....	5/16 & 3/8	5/16 & 3/8	7 7/8	.90
5727	9/16 & 5/8	.....	3/8 & 7/16	3/8 & 7/16	8 7/8	1.00
5729	11/16 & 25/32	3/8 & 7/16	.....	.....	10	1.15
5731A	3/4 & 7/8	.... 1/2	1/2 & 5/8	1/2 & 9/16	11 1/8	1.30

EXTRA LONG—5/8" OFFSET—50° ANGLE

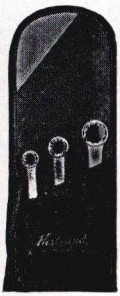
No. 251, twelve-point openings 15/16" and 1 1/16". Length 15". Weight 1 lb.
LIST PRICE, each **$2.60**



SET No. 5720



SET No. 5721



SET No. 3703

"Van-Chrome" Box Wrench Sets

10° and 15° Patterns

"Van-Chrome" Multihex Box Wrenches in the Short 15° and the Long 10° patterns are also available in set combinations of the most necessary sizes.

SET No. 5720 consists of 5 Long 10° Angle Box Wrenches Nos. 5723, 5725B, 5727, 5729 and 5731A.

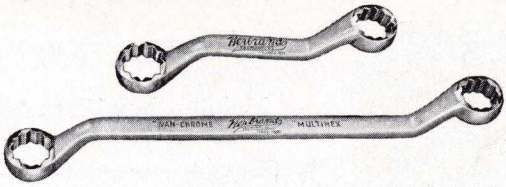
LIST PRICE, in box **$5.15;** in canvas bag **$5.35;** in leatherette case **$5.85**

SET No. 5721 is a complete assortment carrying 1 each Nos. 6723, 6725B, 6727A, 5723, 5725B, 5727, 5729 and 5731A.

LIST PRICE, in box **$7.45;** in canvas bag **$7.65;** in leatherette case **$8.55**

SET No. 3703, one each of the 3 Short Patterns Nos. 6723, 6725B and 6727A.

LIST PRICE, in box **$2.30;** in canvas bag **$2.45;** in leatherette case **$2.70**



"Van-Chrome" Multihex Box Wrenches

45° Offset Patterns

Drop Forged from Chrome Molybdenum Steel

Refinements of speed, efficiency and moderate price make these wrenches highly acceptable. They have different twelve-point graduated openings in each end and the abrupt offset of the heads reaches sunken nuts and gets around obstructions. The extra thin side walls and generous leverage have also contributed to their universal approval. Heat treated their entire length to insure dependable service. Finished in velvety smooth satin nickel with heads brightly polished.

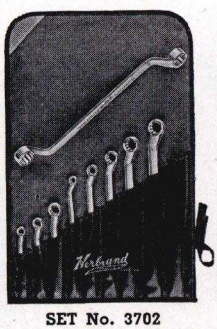
SHORT OFFSET PATTERN

Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	List Price Each
4723	3/8 & 7/16	.....	3/16 & 1/4	..... 1/4	4 1/2	$ .70
4725B	1/2 & 9/16	1/4.....	5/16 & 3/8	5/16 & 3/8	5 1/4	.80
4727A	5/8 & 11/16	..... 3/8	7/16.....	7/16.....	6	.90

LONG OFFSET PATTERN

3723	3/8 & 7/16	.....	3/16 & 1/4	..... 1/4	8 1/2	$ .75
3725B	1/2 & 9/16	1/4.....	5/16 & 3/8	5/16 & 3/8	9	.85
3727	9/16 & 5/8	.....	3/8 & 7/16	3/8 & 7/16	9 3/4	.95
3727A	5/8 & 11/16	..... 3/8	7/16.....	7/16.....	9 3/4	.95
3729A	3/4 & 23/32	..... 7/16	1/2.....	1/2.....	11	1.10
3731B	15/16 & 7/8	..... 1/2	9/16 & 5/8	..... 3/16	12 1/2	1.30
3733C	15/16 & 1	.....	..... 3/4	5/8 & 11/16	14 1/2	1.60

SET No. 3701



SET No. 3702

SET No. 3700

"Van-Chrome" Box Wrench Sets

45° Offset Patterns

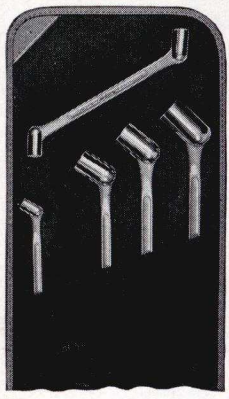
For the convenience of the mechanic, and to provide readily salable units, Multihex Wrenches are supplied in various practical assortments as listed below.

SET No. 3701, one each of the 3 Short Pattern Nos. 4723, 4725B and 4727A.
LIST PRICE, in box **$2.40;** in canvas bag **$2.55;** in leatherette case **$2.80**

SET No. 3702 contains 9 wrenches, one each of the 3 Short Offset Pattern Nos. 4723, 4725B, 4727A, and one each of the 6 Long Offset Type Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C.
LIST PRICE, in box **$8.95;** in canvas bag **$9.15;** in leatherette case **$10.05**

SET No. 3700 carries one each of 5 Long Offset Box Wrenches Nos. 3723, 3725B, 3727A, 3729A and 3731B.
LIST PRICE, in box **$4.95;** in canvas bag **$5.15;** in leatherette case **$5.65**

SET No. 3704 (not illustrated) contains one each of the 6 Long Offset Pattern Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C.
LIST PRICE, in box **$6.55;** in canvas bag **$6.75;** in leatherette case **$7.45**



SET No. 6820

Multiflex Box Wrenches

Swivel Heads

Drop Forged from Chrome Vanadium Steel

True to its name the Multiflex is both flexible and serves a multitude of uses, because it adjusts instantly to any angle. The swivel heads break over to 90° and are equipped with compression springs to retain any working position and handle nuts and bolts at all awkward angles. Extra deep, hot forged twelve-point sockets and very thin, straight side walls permit a full, firm grip on sunken nuts. The sockets are chamfered so that bolts and nuts readily locate in the openings. Oval handles with panel design for maximum gripping power. Satin nickel with polished heads.

Wrench No.	Socket Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	List Price Each
6823	3/8 & 7/16	.....	3/16 & 1/4	..... 1/4	7 3/8	**$1.80**
6825	1/2 & 9/16	1/4.....	5/16 & 3/8	5/16 & 3/8	8 3/4	**2.00**
6827	5/8 & 3/4	.....	7/16 & 1/2	7/16 & 1/2	9	**2.10**
***6827V**	5/8 & 11/16	..... 3/8	7/16.....	7/16.....	9	**2.10**
6829	11/16 & 25/32	3/8 & 7/16	.....	.....	10 5/8	**2.40**
6831	13/16 & 7/8	..... 1/2	9/16 & 5/8	..... 9/16	11	**2.50**

*Especially sized for Ford V-8 service. Ideal for Universal Joints.

SET No. 6820 contains one each of above wrenches except No. 6827-V.

LIST PRICE in box **$10.80;** in canvas bag **$11.00;** in leatherette case **$11.50**

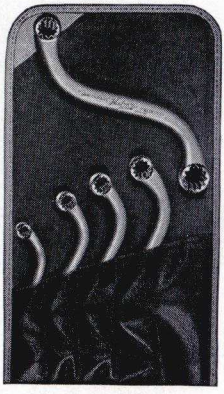
Obstructo Box Wrenches

"S" Pattern

Drop Forged from Chrome Vanadium Steel

Designed to facilitate the work of mechanics, particularly in those time consuming, "tricky" places.

The unique construction virtually removes obstructions and gets those hidden nuts without removing interfering parts. The heads are set at an unusual angle to provide knuckle clearance. Satin nickel finish, polished heads.



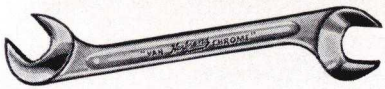
SET No. 7720

Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	List Price Each
7723	3/8 & 7/16	.....	3/16 & 1/4	..... 1/4	6	**$1.10**
7725B	1/2 & 9/16	1/4.....	5/16 & 3/8	5/16 & 3/8	7	**1.20**
7727	9/16 & 5/8	.....	3/8 & 7/16	3/8 & 7/16	8	**1.30**
7729	11/16 & 25/32	3/8 & 7/16	.....	.....	9	**1.45**
7731A	3/4 & 7/8	..... 1/2	1/2 & 5/16	1/2 & 9/16	10	**1.65**

SET No. 7720 contains one each of above wrenches.

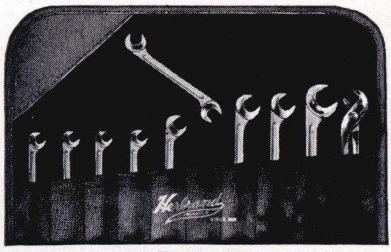
LIST PRICE, in box **$6.70;** in canvas bag **$6.90;** in leatherette case **$7.40**

"Van-Chrome" Electrical and Ignition Wrenches



15° and 60° Angle Heads
Drop Forged from Chrome Vanadium Steel

Feather lightness with amazing strength marks these wrenches as the handiest for tricky carburetor and ignition jobs. Different openings on each end, yet each size is duplicated on a separate wrench at a different angle. Designed for greater efficiency on magnetos, coils, ignition, distributors, ammeters, and all small nuts on radio and electrical appliances. Satin nickel with mirror bright heads. These wrenches are Drop Forgings—not stampings.



SET No. 99

Wrench No.	Openings Milled		Thickness Heads	Length	List Price Each
	15° Angle	60° Angle			
*81	13/64	15/64	7/64	3	$.65
‡82	15/64	13/64	7/64	3	.65
†83	7/32	1/4	7/64	3	.65
¶84	1/4	7/32	7/64	3	.65
85	9/32	5/16	1/8	3 1/2	.70
§86	5/16	9/32	1/8	3 1/2	.70
87	11/32	3/8	9/64	4	.80
88	3/8	11/32	9/64	4	.80
89	7/16	1/2	11/64	4 1/2	.90

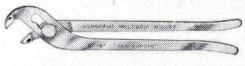
*For Ford Ignition ‡Auto-Lite and Bosch †Delco ¶Remy §Wagner and Remy

SET No. 97 contains one each Nos. 81, 82, 83, 84, 85, 86, 87.
LIST PRICE, in flannel lined leatherette roll **$5.20**

SET No. 99 contains the nine wrenches above and No. 167-N Plier.
LIST PRICE, in flannel lined leatherette case **8.50**

"Van-Chrome" Electrical and Ignition Pliers

Drop Forged from Chrome Vanadium Steel



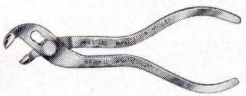
No. 167
Finger Tip Control Handles

Little giants of capacity and utility, small enough to slip into the vest pocket, thin enough to reach the smallest, most awkwardly placed nuts, yet sufficiently strong to last a lifetime. Serves a wide range of electrical, ignition and radio work.

Range 0" to 7/16", length 4 1/2", thickness 1/8", weight 2 ounces.

No. 167-S, Satin nickel, polished head.
LIST PRICE, each **$1.20**

No. 167-N, Hand polished nickel.
LIST PRICE, each **1.50**



No. 167½
Full Grip Handles

No. 167½-S, Satin nickel, polished head.
LIST PRICE, each **1.30**

No. 167½-N, Hand polished nickel.
LIST PRICE, each **1.60**

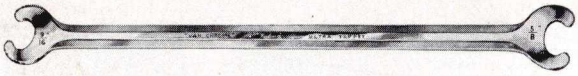
Electrical Screw Drivers

Insulated Handles

Perfect insulators and absolutely breakproof. Specially designed for electrical, radio and ignition work. The solid one piece blades are forged from square stock and the tips are accurately ground to standard gauges.

Screw Driver No.	Length of Blade	Size Square Stock	Length Overall	List Price Each
310	2	1/8	4 3/16	$ .50
311	3	1/8	4 3/16	.60
312	3	3/16	6 1/4	.95
313	6	3/16	9 1/4	1.15
314	9	3/16	12 1/4	1.20

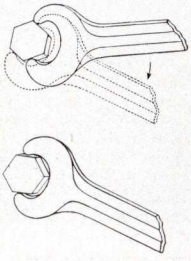
SET No. SD-5, one each of the five above Electrical Screw Drivers.
LIST PRICE, in flannel lined leatherette kit **$4.90**



"Van-Chrome" Ultra Tappet Wrenches

Self-Locating Thin Jaws

Drop Forged from Chrome Vanadium Steel



Dotted outline shows how rounded ends of the jaws automatically revolve the tool into working position making immediate engagement.

No pointed jaws extending beyond the nut to jam or interfere.

SET No. T-70

Keeping pace with the march of progress in automotive engineering Herbrand introduces the new and distinctive Ultra Tappet Wrenches. These modern wrenches offer unparalleled advantages of speed, clearance, strength and ease of operation. Note particularly the scientific construction of the self-locating jaws.

Sense of touch must be relied upon to engage the nuts on most tappets because of locations that make them invisible. The parabola jaws of these wrenches are shaped to readily locate the nuts and automatically ride into position for a firm, positive grip, with absolute elimination of jamming. The heads are shaped to give increased accessibility and eliminate interference frequently encountered with the conventional tappet wrench. This unique jaw construction doubles the turning area of these wrenches. The extreme thinness of the jaws is scientifically balanced with the thickness of the tappet nuts for perfect control of this precision adjustment. The entire wrench is perfectly balanced and the long handles are reinforced with a raised bar design for rigidity and comfortable grip.

The 9½" lengths permit working clear of hot motors and the pitch of the 15° angle jaws is correct to readily engage tappet nuts most conveniently and efficiently. These outstanding, modern Tappet Wrenches are drop forged from genuine Chrome Vanadium Steel, electrically heat treated and finished in lustrous triple plate with mirror polished heads.

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screw	Thickness Heads	Length	List Price Each
T-1	7/16 & 1/2	..... 1/4	1/4 & 5/16	1/4 & 5/16	5/32	9 1/2	$ .75
T-2	1/2 & 9/16	1/4.....	5/16 & 3/8	5/16 & 3/8	5/32	9 1/2	.80
T-3	9/16 & 5/8	.....	3/8 & 7/16	3/8 & 7/16	5/32	9 1/2	.90
T-4	5/8 & 11/16	..... 3/8	7/16.....	7/16.....	3/16	9 1/2	.95
T-5	3/4 & 7/8	..... 1/2	1/2 & 5/8	1/2 & 9/16	3/16	9 1/2	1.10

SET No. T-70, two each of Nos. T-2 and T-4. Weight 1 lb.

LIST PRICE, in box **$3.50**

LIST PRICE, in pocket leatherette case **4.00**

SET No. T-75, two each of Nos. T-2, T-4 and T-5. Weight 1¾ lbs.

LIST PRICE, in box **$5.70**

LIST PRICE, in pocket leatherette case **6.40**

Tappet Adjusting Screw Driver No. 336T

Built special for valve adjustments on all overhead valve motors. Chrome Tungsten blade. Overall length 6½". Blade 2½".

LIST PRICE, each ..... **$ .70**

"Van-Chrome" Tappet Wrenches

Double End—15° Angle

Drop Forged from Chrome Vanadium Steel

SET No. H-80

The super quality and design of "Van-Chrome" Tappet Wrenches have given them nation-wide acceptance. Maintaining their leadership through constant development of design and construction, they are still longer—thinner — lighter and tougher. Drop forged from Select Chrome Vanadium Steel and scientifically heat treated. Beautifully finished in permanent nickel with mirror polished heads and smooth satin grips.

Wrench No.	Openings Milled	Thickness Heads	Length	List Price Each
H-1	7/16 & 17/32	5/32	7 1/4	$ .65
H-2	1/2 & 9/16	5/32	8	.75
H-3	5/8 & 11/16	7/32	8	.75
H-4	3/4 & 7/8	7/32	9	.95

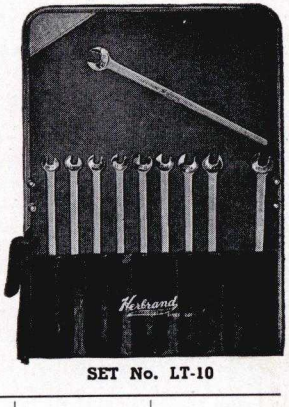
SET No. H-80, two each of above wrenches, 8 in all, nickel finish.
LIST PRICE, in box **$6.20;** in pocket leatherette roll **$6.90**

"Van-Chrome" Extra Long Tappet Wrenches

12½" Long—15° Angle—Single End

Drop Forged from Chrome Vanadium Steel

The mechanic who has burned his hands on a hot manifold when making tappet adjustments will appreciate these Extra Long Tappet Wrenches. The thin handles are 12½" long to clear the manifold and provide maximum reach with positive control for precise adjustments. Heat treated their entire length for unfailing service. Satin nickel handles, brightly polished heads.



SET No. LT-10

Wrench No.	Openings Milled	Thickness Heads	Length	List Price Each
LT-11	7/16	3/16	12 1/2	$1.30
LT-12	1/2	3/16	12 1/2	1.30
LT-13	9/16	3/16	12 1/2	1.30
LT-14	5/8	3/16	12 1/2	1.40
LT-15	11/16	3/16	12 1/2	1.40

SET No. LT-6 contains one pair each of No. 12, 13 and 14.
LIST PRICE, in box **$8.00;** in pocket leatherette case ..... **$ 8.70**

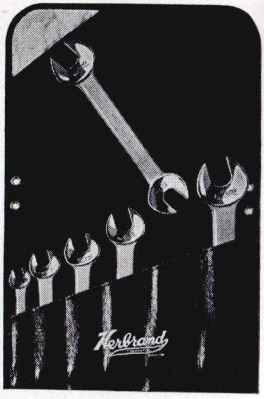
SET No. LT-10 contains one pair each of the 5 sizes listed.
LIST PRICE, in box **$13.40;** in pocket leatherette case **14.20**

"Van-Chrome" Automotive Wrenches

15° Angle Pattern

Drop Forged from Chrome Vanadium Steel

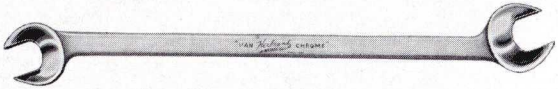
The lightest, thinnest, longest and strongest wrenches of their type. Heat treated their entire length to give positive toughness and uniform durability. The pointed jaws and thin narrow heads reach into places where other wrenches can't. Will not break or spread under normal usage. Beautifully finished with satin nickel grips and mirror polished heads. Refinements in design increase their efficiency and accessibility.



SET No. 1025

"Van-Chrome" Automotive Wrench Selection Table

Wrench No.	Openings	Length	Thickness	List Price
1721	5/16 & 3/8	5	3/16	$ .50
1021	5/16 & 13/32			
1722	5/16 & 7/16			
1723	3/8 & 7/16			
1022	5/16 & 1/2	5 3/4	13/64	.55
1023	13/32 & 1/2			
1723A	3/8 & 1/2			
1024	13/32 & 19/32	6 1/2	15/64	.65
1725	7/16 & 1/2			
1725A	7/16 & 9/16			
1725B	1/2 & 9/16			
1025	1/2 & 19/32			
1726	1/2 & 5/8	7 1/4	17/64	.80
1026	1/2 & 11/16			
1727	9/16 & 5/8			
1027	19/32 & 11/16			
1027C	9/16 & 11/16			
1027F	5/8 & 11/16			
1728	9/16 & 3/4	8 5/16	19/64	.95
1028	19/32 & 25/32			
1028S	5/8 & 25/32			
1729	5/8 & 3/4			
1029	11/16 & 25/32			
1030	11/16 & 7/8			
1731	3/4 & 13/16	9 3/8	23/64	1.20
1731A	3/4 & 7/8			
1031	25/32 & 7/8			
1731B	13/16 & 7/8			
1032	25/32 & 31/32			
1033A	7/8 & 15/16			
1033	7/8 & 31/32			
1733	7/8 & 1	10 3/4	27/64	1.60
1033C	15/16 & 1			
1034	7/8 & 1 1/16			
1734	7/8 & 1 1/8			
1035	31/32 & 1 1/16			
1735	1 & 1 1/8	12 1/4	31/64	2.10
1036	31/32 & 1 1/4			
1736	1 & 1 1/4			
1037	1 1/16 & 1 1/4			
1737	1 1/8 & 1 1/4			



Extra Long Wrenches, 22½° Angle Pattern

241	3/4 & 7/8	15	7/16	$2.60
242	15/16 & 1 1/16	16	1/2	2.80
243	1 & 1 1/8	16	1/2	2.80

SET No. 1025, one each of Nos. 1723, 1025, 1027C, 1028S, 1731A and 1033C.
LIST PRICE, in box **$5.70;** in pocket leatherette case..... **$6.60**

SET No. 280

"Van-Chrome" Special Angle Wrenches

22½° and 62½° Heads

Drop Forged from Chrome Vanadium Steel

New special angled wrenches of exclusive Herbrand design. The extra narrow pointed jaws give more clearance which enables mechanics to work freely in places where ordinary wrenches can't go. Each end has the same size opening, one angled at 22½° the other at 62½° which is an innovation. These wrenches not only function better on general service but handle both major and minor brake adjustments on all cars.

Drop forged from select Chrome Vanadium Steel, machined to precision limits and expertly heat treated to insure breakproof qualities. Satin nickel with heads brightly polished.

Wr. No.	Openings Milled	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	Length	List Price Each
281	9/16 & 9/16	..	3/8	3/8	1/4	6 1/4	$1.00
282	5/8 & 5/8	..	7/16	7/16	1/4	6 1/4	1.00
283	11/16 & 11/16	3/8	..	..	9/32	7 9/16	1.25
284	3/4 & 3/4	..	1/2	1/2	9/32	7 9/16	1.25
285	7/8 & 7/8	1/2	5/8	9/16	9/32	8 3/8	1.50

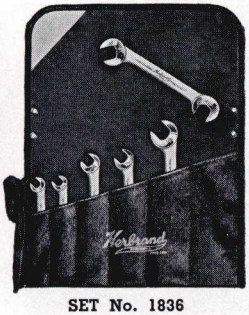
SET No. 280 contains one each of above wrenches.

LIST PRICE, in box **$6.00;** in pocket leatherette case..... **$6.70**

"Van-Chrome" Obstructo Wrenches

45° and 90° Angle

Drop Forged from Chrome Vanadium Steel



SET No. 1836

Their unique design makes it possible to reach obscure nuts or bolts and saves many hours of trying labor. The thin heads and narrow pointed jaws reach around obstructions and positively move hidden nuts in positions that ordinary wrenches cannot reach. The comfortable grips are finished in smooth, satin nickel and the heads are polished to mirror brightness.

Wr. No.	Openings Milled	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	Length	List Price Each
1821	3/8	..	5/16	..	11/64	5 1/2	$ .70
1823	7/16	..	1/4	1/4	11/64	5 1/2	.70
1825	1/2	1/4	5/16	5/16	13/64	6 1/2	.85
1827	9/16	..	3/8	3/8	13/64	6 1/2	.85
1829	5/8	..	7/16	7/16	15/64	7 1/2	1.05
1831	3/4	..	1/2	1/2	15/64	7 1/2	1.05

SET No. 1836 contains one each of above wrenches.

LIST PRICE, in box **$5.20;** in pocket leatherette case..... **$5.90**

Tire service demands the utmost in speed. There never was a time when modern equipment was more vital to profits and success. Special tools to meet every tire service requirement are absolutely essential today.

These portable boards are fabricated from heavy gauge steel. They are strongly reinforced and supported on rigid legs. The round grip handle in the center permits carrying right to the job.

Specialized Tire Service Tool Board No. SS-15

No. SS-15 Board carries an assortment of fifteen modern speed tools specially designed for easier and better tire changes and repair work:—

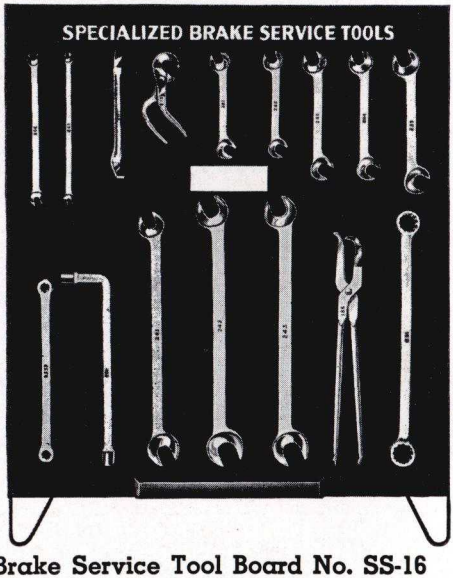
Nos. 1124, 1125, 1126, 1127, 1128, 1130, 1131, 1132, 1133, 171, 172, 173, 1050X, 443 and 403, which are illustrated and described on pages 36 to 41.

Size of board 27" x 32". Weight, tools and board 44 lbs.

LIST PRICE, tools only **$15.85,** board only **$7.50,** complete..... **$23.35**

Only modern, specialized brake tools make it possible for you to meet the new competition of one-stop service stations who are intensively driving for this profitable service work.

This board represents not just an ordinary collection of tools but a highly specialized assortment for the scientific adjustment of brakes to conform to safety standards.



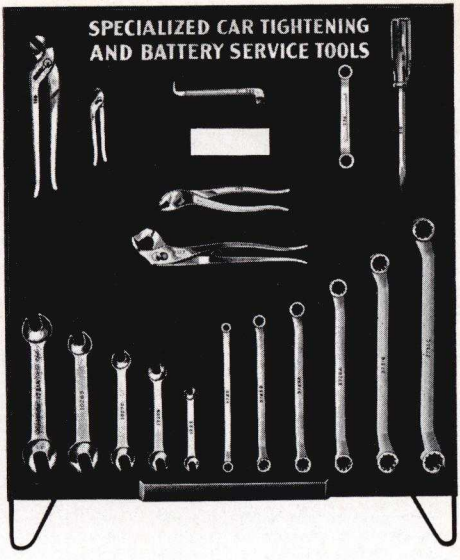
Specialized Brake Service Tool Board No. SS-16

No. SS-16 Board carries one each of the following Specialized Brake Service Tools, Numbers 183, 241, 242, 243, 251, 261, 262, 271, 272, 281, 282, 283, 284, 285, 301 and 2333; sixteen tools in all, which are described in detail on pages 44 to 47.

Size of board 27" x 32". Weight, tools and board 32 lbs.

LIST PRICE, tools only **$28.25;** board only **$7.50;** complete..... **$35.75**

The tools on this board have been selected by expert mechanics as being necessary for car tightening and battery service work. No. SS-18 board carries one each of the following Car Tightening and Battery Tools: Nos. 3723, 3725B, 3727A, 3729A, 3731B, 3733C Box Wrenches. No. 166-S Water Pump and General Service Plier; No. 167-S Midget Plier; Nos. 1723, 1725B, 1027C, 1028S, 1731A "Van-Chrome" Open End Wrenches; Nos. 177, 179-S, 276 Battery Tools; No. 353 Offset Screw Driver and No. 316 Insulated Screw Driver.



Car Tightening and Battery Service Board No. SS-18

No. SS-18, 18 tools in all, illustrated and described in this catalog. Size of board 27" x 32". Weight, tools and board 31 lbs.

LIST PRICE, tools only **$21.65;** board only **$7.50;** complete..... **$29.15**

Specialized Lubrication Service Tool Board No. SS-8

Herbrand Specialized Greasing Tools are universally known and accepted as the standard throughout the industry. They have been carefully engineered to get maximum results without the hazard of bending, distorting or otherwise damaging costly parts on cars.

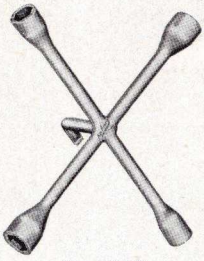
No. SS-8 Board carries one each of the following eight tools which are described on pages 42 and 43.

No. 190 Grease Bar for frozen shackles.
No. 191 Grease Bar for front spring shackles.
No. 192 Greasing Tool for Tryon shackles.
No. 193 Drain Plug Wrench for all female plugs.
No. 194 Drain Plug Wrench for all male plugs.
No. 290 Clutch Plug Wrench for Hudson Essex.
No. 6825 Clutch Pan Nut Wrench.
Eight inch Super-Strength Pipe Wrench.

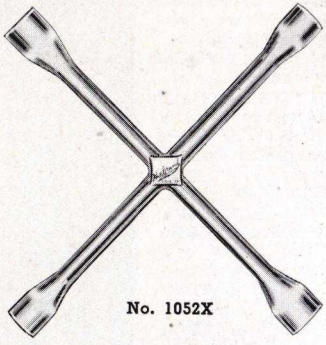
Size of board 27" x 32". Weight, tools and board 36 lbs.

LIST PRICE, tools only **$13.10;** board only **$7.50;** complete..... **$20.60**

TIRE TOOL SECTION



No. 1055X



No. 1052X

Four-Way Rim Wrenches—New Series

Chrome Vanadium or Carbon Steel

Extra Long for Wide Fender Clearance

Drop Forged in One Piece—No Welds

The modern car with its wide, apron fenders requires this extra size 4-Way Rim Wrench for clearance and to safeguard knuckles. Extra speed and leverage are provided with the 15 inch reach of this specially constructed 4-Way Rim Nut Tool. Solid, one piece drop forging with no riveted or welded parts to loosen, bend or break. It has extra deep solid forged sockets that fit down snugly over the nuts, and the backs of the heads are tapered to readily clear on all types of wheels. Heat treated from end to end, smoothly ground and attractively finished in satin nickel. Openings 5/8", 3/4", 13/16" and 7/8". Length 15". Weight 2 lbs. 12 ozs.

No. 1051X, Carbon Steel. Satin nickeled.
LIST PRICE, each **$1.55**

No. 1052X, Chrome Vanadium Steel. Satin nickel, polished sockets.
LIST PRICE, each **3.30**

Four-Way Rim Wrench No. 1050X

Drop Forged Solid—No Welds

Has the same efficient high quality features as No. 1051X illustrated and the same opening sizes but has 13" length. Satin nickel. Wgt. 2 1/4 lbs.
LIST PRICE, each **$1.45**

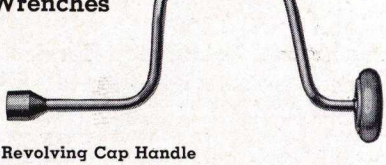
Rim Wrench and Hub Cap Remover No. 1055X

4-Way Rim Wrench with easy hub cap removing feature. Perfectly designed to pull the cap instantly without marring either the cap or the wheel. The Hub Cap Prong is permanently anchored into the one piece Wrench. Equipped with openings 5/8", 3/4", 13/16" and 7/8". Satin nickel. Length 13". Weight 2 1/4 lbs.

LIST PRICE, each **$1.70**

Forged Brace Rim Wrenches

Solid forged sockets and deep liberal 5 1/4" throw to produce powerful leverage. Extra long shank for clearance available as follows, Length 15 1/4".



With Revolving Cap Handle

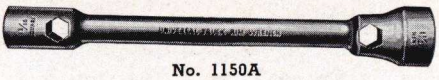
No. 1010, 5/8"; **No. 1011,** 11/16"; **No. 1012,** 3/4"; **No. 1013,** 13/16"; **No. 1014,** 7/8".
LIST PRICE, each, Black enamel ..... **$ .55**
LIST PRICE, each, Satin nickel ..... **.60**

With Plain Handle

No. 1110, 5/8"; **No. 1111,** 11/16"; **No. 1112,** 3/4"; **No. 1113,** 13/16"; **No. 1114,** 7/8".
LIST PRICE, each, Black enamel. Length 17" ..... **$ .45**
LIST PRICE, each, Satin nickel ..... **.50**

With Double Socket

No. 1213, 3/4" socket on one end and 13/16" on the other. Length 17".
LIST PRICE, each, Black enamel ..... **$ .60**
LIST PRICE, each, Satin nickel ..... **.65**



No. 1150A

No. 1150B

No. 1150C

Universal Truck Rim Wrench Set No. 1150T

Seven Different Opening Sizes

Forged from Solid Bars of Select Steel

These wrenches never fail. They carry the combination of seven openings (2 square openings inside of the hex sockets). No. 1150A is adaptable to Ford and No. 1150B to Chevrolet Dual Wheels because the proper combination of openings are grouped in the individual bars.

Forged solid with extra deep sockets. Heat treated throughout to withstand gruelling punishment. The 20" hex handle slides through the opening in each wrench, acting as a T handle, and creating a powerful leverage that starts the most stubborn nuts easily.

Satin nickel finish. Weight of set complete 12½ lbs.

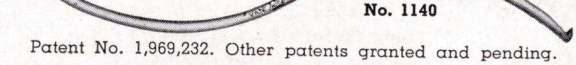
No. 1150A, 15⅞" long, has openings 1½" hex, 1⅛" hex and 13/16" square.
LIST PRICE, each **$1.75**

No. 1150B, 15⅞" long, has openings 1¼" hex, ⅞" hex and ⅝" square.
LIST PRICE, each **1.75**

No. 1150C, 20" long, leverage bar, has 1 1/16" hex opening.
LIST PRICE, each **1.30**

SET No. 1150T, 1 each of above, 3 pieces in all.
LIST PRICE, complete **4.80**

No. 1151



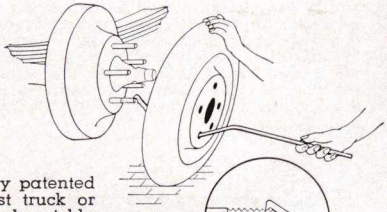
No. 1140

Patent No. 1,969,232. Other patents granted and pending.

"Van-Chrome" Wheel Mounters

For Mounting and Demounting All Truck, Bus and Passenger Car Wheels

Drop Forged from Chrome Molybdenum Steel



With these revolutionary newly patented tools the biggest and heaviest truck or bus wheels can be easily and quickly mounted or demounted by one man without bruising studs or endangering the operator. It lines up wheels with the studs for securing nuts and insertion of hub collars, handling extreme weight without resting on the threads and avoids slipping or fumbling. The smoothly ground, accurately curved pilot slowly but positively slides the wheel home without a jar or bang of any sort.

No. 1151 Truck Wheel Mounter is the Universal Tool for practically all large trucks, busses and trailers. It handles every wheel except the disc type having holes smaller than ¾". For these wheels use No. 1140. For front and inside dual wheels: Insert Mounter Tool through bottom stud hole. For outside wheels: Use top holes and studs and gravity balance will provide perfect alignment.

No. 1151, Satin nickel finish. Length 26". Weight 3 lbs. 4 ozs.
LIST PRICE, each **$2.40**

No. 1140 is a double end tool with a crescent shaped flange on one end for engaging studs and a forged hook on the other end for engaging threads in bolt holes when mounting wheels on passenger cars or light trucks. The hook end is also ideal for removing hub caps.

Satin nickel finish. Length 26". Weight 1 lb. 4 ozs.
LIST PRICE, each **$2.50**

Spoon Type Tire Irons

Straight Pattern

Drop Forged from Tool Steel

Herbrand's Master Tire Irons were designed by tire experts for tire service men. The broad, thin paddle shaped blade takes hold of a larger area, lifting the tire from the rim in a few easy strokes with a minimum of effort and time. The blunt handle end is designed to drive dual tires and rings on or off. These irons are extra strong for gruelling work. Finished in satin nickel plate. Weight 2 lbs.

No. 1126, 18" long.
LIST PRICE, each **$1.00**

No. 1126T, Truck size 23" long.
LIST PRICE, each **1.30**

Spoon Type Tire Irons

Curved Pattern

Drop Forged from Tool Steel

Master Tire Irons No. 1127 and No. 1126 are usually sold in pairs. The curved blade in combination with the straight one make an unbeatable pair. They are perfectly balanced for ease of handling, and the broad blades avoid bruises and damage to the tire. Efficient on drop center rims. Satin nickel plate finish. Weight 2 lbs.

No. 1127, 18" long.
LIST PRICE, each **$1.05**

No. 1127T, Truck size, 23" long.
LIST PRICE, each **1.35**

Special Rim and Tire Iron No. 1125

Long Leverage

Drop Forged from Tool Steel

Shaped just right for efficient use and 20" long for extra leverage, this tool is exceptionally well balanced. An outstanding feature that all tire men will appreciate is the recessed grooves on the top and bottom of the working end. The round recess on the top hooks into the corner of the rim and holds it positively in place while the elongated groove on the bottom hooks into the opposite corner of the rim and rides the two rim ends together. Makes tire changes easier and faster and eliminates the hazards of slipping. Satin nickel plate all over. Length 20".

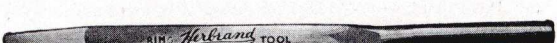
LIST PRICE, each ..... **$ .90**

Ring Tool No. 1120

Drop Forged from Tool Steel

A necessary tool for removing and replacing the lock rings on the various types of wheels on which these rings are standard equipment. Heat treated, smoothly ground and finished in satin nickel. Length 15½".

LIST PRICE, each ..... **$ .70**



Rim and Tire Tool No. 1121

Drop Forged from Tool Steel

Practically all types of rims are unlocked with this tool. It also makes a handy iron for all tire changes. Heat treated throughout, ground smooth and finished in satin plated nickel all over. Length 15½".

LIST PRICE, each ..... **$ .70**

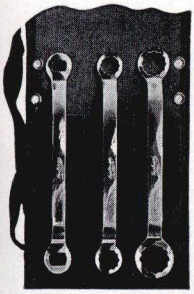
"Van-Chrome" Tire Valve Stem Wrenches

Drop Forged from Chrome Vanadium Steel

The thin, tapered heads of these wrenches are slotted to slip over any type valve stem nut and operate easily where obstructions are close. The 12-point, box type openings take hold with a clean, positive grip that prevents slipping and damaging enamel on rims and spokes. They are especially efficient on wire wheels and permit maximum turning in the limited space between spokes. They assure quicker and easier tire changes and carry the popular combinations of openings. Satin nickel finish, mirror polished heads.

No. 173, $1\frac{1}{16}$" and $\frac{3}{4}$" openings. Length $6\frac{1}{2}$". Weight 4 ozs.
LIST PRICE, each **$1.40**

No. 174, $\frac{7}{8}$" and $1\frac{1}{8}$" openings. Length $7\frac{1}{2}$". Weight $6\frac{1}{2}$ ozs.
LIST PRICE, each **1.60**



No. 172 **No. 171** **No. 170**

Tire, Valve Stem and Base Nut Wrenches

Carefully engineered with just the right angle on the offset heads for easy clearance and a full, free swing.

No. 170 has 12-point openings that adapt it to most valve stem jam nuts.

No. 171 has 12-point openings to fit the valve stem base nuts and clears the flange fully. A necessary tool because all valve base nuts should be tightened before new tube is placed in casing.

No. 172 has oval openings that hold the valve stem rigid without damaging threads while the base nut is being tightened. These two tools (Nos. 171 and 172) eliminate the use of a vise.

Length 8". Weight $3\frac{1}{2}$ ozs. each. Satin nickel finish.

Nos. 170, 171, 172.
LIST PRICE, each ..... **$ .70**

SET No. 175, One each of three wrenches, Nos. 170, 171 and 172, in flannel lined leatherette roll.

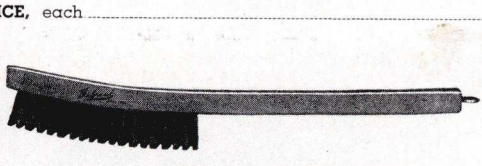
LIST PRICE, complete **2.50**

Tire Prodding Awl No. 1131

Handfit Wood Handle

Ideal for removing glass, nails, tacks, stones or other obejcts that become imbedded in tires. The broad, tapered blade is shaped to spread the rubber, while the blunt point removes foreign objects without danger of penetrating the tube. Blade is satin nickel plated.
Length 7". Weight 2 ozs.

LIST PRICE, each ..... **$ .30**



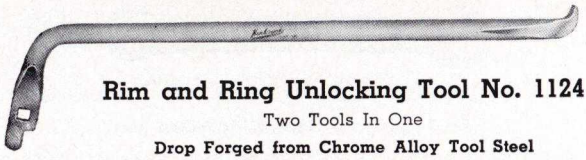
Tire and Rim Brush No. 1132

Curved Wood Handle

For Cleaning Rims and Casings

A good quality brush made of stiff, round steel wire. The 14" handle is curved to reach easily into the casings for cleaning. Handy for removing rust and dirt from rims and other metal parts. The brush part is 6" long.
Length 14". Weight 14 ozs.

LIST PRICE, each ..... **$ .45**



Rim and Ring Unlocking Tool No. 1124

Two Tools In One

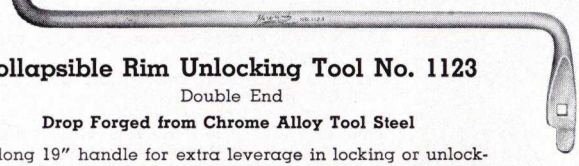
Drop Forged from Chrome Alloy Tool Steel

Engineered for faster and easier rim work. One end is designed to quickly unlock or lock practically any type collapsible rim. The square hole is set in the proper place for engaging the locking device with greatest efficiency and the 19" length provides ample leverage. The opposite end is forged into a speedy ring unlocking tool for the easy removal and replacement of retaining rings on wire, disc or Budd wheels. It is a double end tool that combines two tools in one.

Drop forged from ¾" round Chrome Alloy Steel and extra powered by heat treatment throughout to stand up under hard usage. It is finished in attractive double satin nickel which is rust resisting.

Length 19". Weight 2 lbs. 4 ozs.

LIST PRICE, each **$1.15**



Collapsible Rim Unlocking Tool No. 1123

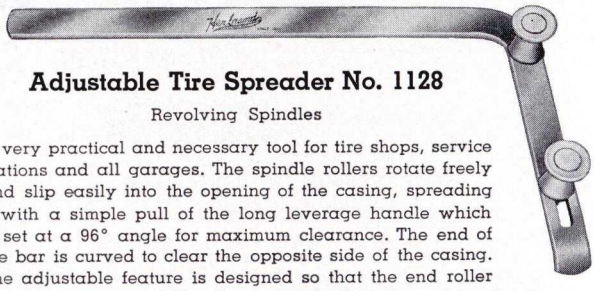
Double End

Drop Forged from Chrome Alloy Tool Steel

A long 19" handle for extra leverage in locking or unlocking practically all collapsible rims even though they may be rusted. It is a double end tool which gives double service. The different sized square holes in the flattened ends have been carefully spaced to firmly and efficiently engage the rim locking device without any trouble. Double satin nickel finish and heat treated.

Length 19". Weight 1 lb. 14 ozs.

LIST PRICE, each **$1.10**



Adjustable Tire Spreader No. 1128

Revolving Spindles

A very practical and necessary tool for tire shops, service stations and all garages. The spindle rollers rotate freely and slip easily into the opening of the casing, spreading it with a simple pull of the long leverage handle which is set at a 96° angle for maximum clearance. The end of the bar is curved to clear the opposite side of the casing. The adjustable feature is designed so that the end roller may be set to spread tires from 5½" to 7¾". Satin nickel finish.

Length 18½". Weight 2 lbs. 12 ozs.

LIST PRICE, each **$2.00**

All Steel Screw Driver No. 146

Drop Forged in One Piece

A powerful screw driver with a sure grip and a self-contained handle that cannot break, nor come loose. It exerts a powerful twist and the square blade permits using a wrench when necessary for extra leverage. Handy for tire work.

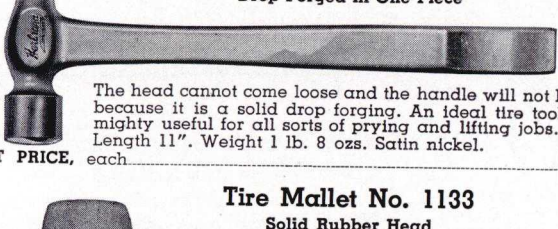
Length 9½". Weight 10 ozs. Satin nickel.

LIST PRICE, each ..... **$ .55**

"Van-Chrome" Tire Hammer No. 1130

Drop Forged from Chrome Alloy Steel

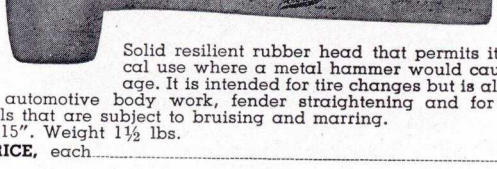
Especially designed for removing tires that cling stubbornly to the rims. Extremely tough but not brittle eliminating the danger of chipping or flying pieces. All corners are rounded or bevelled so that they cannot damage tire or rim. The head is firmly anchored to the handle.
Satin nickel. High quality hickory handle. Length 14". Weight 3½ lbs.
LIST PRICE, each **$2.40**



All Steel Hammer and Tire Tool No. 165

Drop Forged in One Piece

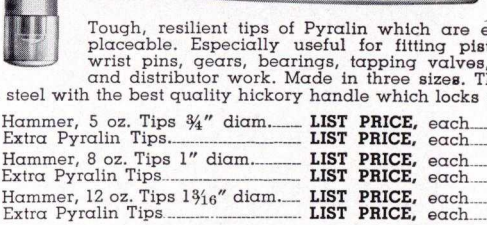
The head cannot come loose and the handle will not break because it is a solid drop forging. An ideal tire tool and mighty useful for all sorts of prying and lifting jobs.
Length 11". Weight 1 lb. 8 ozs. Satin nickel.
LIST PRICE, each **$1.35**



Tire Mallet No. 1133

Solid Rubber Head

Solid resilient rubber head that permits its practical use where a metal hammer would cause damage. It is intended for tire changes but is also popular for automotive body work, fender straightening and for use on materials that are subject to bruising and marring.
Length 15". Weight 1½ lbs.
LIST PRICE, each **$1.20**

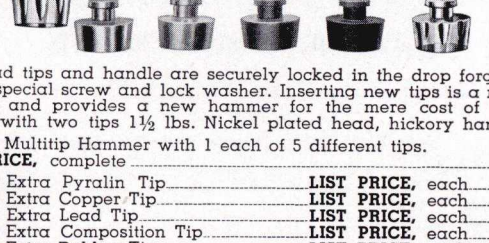


Protectotip Hammers

Shatterproof Detachable Pyralin Tips

Tough, resilient tips of Pyralin which are easily replaceable. Especially useful for fitting piston pins, wrist pins, gears, bearings, tapping valves, ignition and distributor work. Made in three sizes. The center is nickel steel with the best quality hickory handle which locks securely.

No. 650	Hammer, 5 oz. Tips ¾" diam.	**LIST PRICE,** each		**$1.70**
No. 651	Extra Pyralin Tips	**LIST PRICE,** each		**.45**
No. 652	Hammer, 8 oz. Tips 1" diam.	**LIST PRICE,** each		**1.90**
No. 653	Extra Pyralin Tips	**LIST PRICE,** each		**.50**
No. 654	Hammer, 12 oz. Tips 1 3/16" diam.	**LIST PRICE,** each		**2.10**
No. 655	Extra Pyralin Tips	**LIST PRICE,** each		**.60**



Multitip 5 in 1 Hammer

Five Interchangeable Tips

The head tips and handle are securely locked in the drop forged head with a special screw and lock washer. Inserting new tips is a matter of seconds and provides a new hammer for the mere cost of the tips. Weight with two tips 1½ lbs. Nickel plated head, hickory handle.

No. 130 Multitip Hammer with 1 each of 5 different tips.
LIST PRICE, complete **$4.85**

No. 131	Extra Pyralin Tip	**LIST PRICE,** each		**.90**
No. 132	Extra Copper Tip	**LIST PRICE,** each		**.80**
No. 133	Extra Lead Tip	**LIST PRICE,** each		**.40**
No. 134	Extra Composition Tip	**LIST PRICE,** each		**.25**
No. 135	Extra Rubber Tip	**LIST PRICE,** each		**.20**

LUBRICATING TOOL SECTION

One-Man Grease Bar No. 190

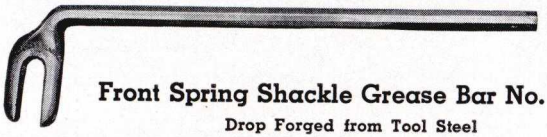
For Frozen Shackles

Drop Forged from Tool Steel

Frozen shackles are quickly freed and thorough greasing becomes an easy, one-man job with this scientifically designed bar. The fork end fits over the spring and applies side pressure instead of end pressure and is set at a 25° angle to give easy access to any type of spring. It clears the crankcase, muffler, fenders and grips three spring leaves and eliminates the hazard of bending, distorting or otherwise damaging the shackles in an effort to force grease through the bushings. The long, thin pry end with the knurled base prevents slipping. Drop forged from ¾" octagon tool steel, heat treated and finished in satin nickel.

Length 30". Weight 4¾ lbs.

LIST PRICE, each **$2.50**



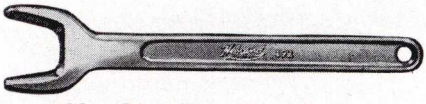
Front Spring Shackle Grease Bar No. 191

Drop Forged from Tool Steel

Designed for quicker and more thorough lubrication of the front spring shackles. The head is placed at an angle of 90° to get around all obstructions and provide maximum handling efficiency. Satin nickel.

Length 20". Weight 3½ lbs.

LIST PRICE, each **$2.00**



Spring Shackle Greasing Tool No. 192

Drop Forged from Chrome Alloy Steel

Designed for prying Tryon Shackles with taper bushings. Briefly—this tool makes it a one-man job. Satin nickel finish.

Length 11". Weight 10 ozs.

LIST PRICE, each **$1.10**

Clutch Plug Wrench No. 290

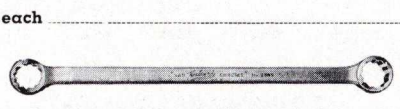
For Hudson Essex

Forged from Chrome Alloy Tool Steel

Necessary to remove the clutch filler plugs on Hudson and Essex 1932 and 1933 cars. One end has a 5/16" forged square plug, the other a 7/16" hexagon. Ideal for the transmission plugs on Plymouth cars. Satin plate.

Length 6½". Weight 6 ozs.

LIST PRICE, each ..... **$ .65**



Crank Case Drain Wrench No. 2345

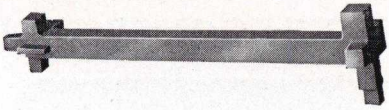
For Ford V-8

Drop Forged from Chrome Vanadium Steel

The 15/16" opening fits the crankcase drain plugs on Ford 1933 to 1935 models, and the 1 1/16" opening fits 1932 Ford cars. Finished in satin nickel with heads polished.

Length 15". Weight 1 lb.

LIST PRICE, each **$2.60**



"Van-Chrome" Drain Plug Wrench No. 193

Ten Tools In One For All Female Plugs

Drop Forged from Chrome Alloy Steel

Combined in one wrench are the ten different sizes of lugs required to service all countersunk drain and filler plugs in the clutch, crankcase, transmission and differential on most automobiles and trucks. The lugs are forged accurately to size assuring perfect fit. Provides powerful leverage to easily remove stubborn plugs. Satin nickel finish.

Length 9". Weight 14 ozs.

LIST PRICE, each **$1.60**

"Van-Chrome" Drain Plug Wrench No. 194

Seven Wrenches In One For All Male Plugs

Drop Forged from Chrome Alloy Steel

Fits the male plugs on crankcase, transmission and differential of practically all cars. Seven different 6-point and 8-point openings combined in one wrench, properly sized to fit all late models including Ford, Chevrolet, Pontiac, Plymouth, Dodge, Buick, Studebaker, Olds and other makes. The openings are individually machined to precision limits which insures a perfect fit and prevents mutilating or distorting plugs. Heat treated and finished in satin nickel.

Length 9". Weight 11 ozs.

LIST PRICE, each **$1.80**

Shock Absorber Wrench No. 2341

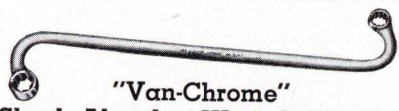
For Ford Cars, All Models

Drop Forged from Chrome Vanadium Steel

For oil filler plugs on Ford shock absorbers which are difficult for ordinary wrenches to reach. Satin nickel, polished head.

Length 5". Opening 7/16". Weight 1½ ozs.

LIST PRICE, each ..... **$ .80**



"Van-Chrome" Shock Absorber Wrench No. 2347

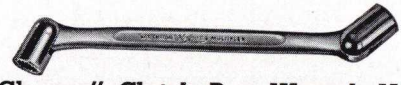
Combination 8 and 12-point Openings for Ford V-8

Drop Forged from Chrome Vanadium Steel

Filler plugs on shock absorbers placed in the frame channels on late Ford V-8's are extremely hard to reach. Some are square, others hex. This special S wrench, scientifically designed with 8 and 12-point openings, gets them both. It has unique angles which clear any possible obstruction. Satin nickel, bright heads.

Openings 7/16". Length 11½". Weight 7 ozs.

LIST PRICE, each **$2.10**



"Van-Chrome" Clutch Pan Wrench No. 6825

Swivel Heads

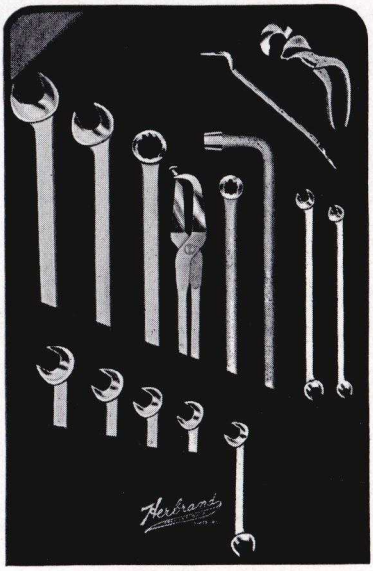
Drop Forged from Chrome Vanadium Steel

In the new Chrysler, Dodge, DeSoto and Plymouth it is necessary to remove the clutch plate to lubricate the throw-out bearings. Herbrand No. 6825 is best adapted to this purpose. It has swivel heads which adjust to any angle and twelve point openings of ½" and 9/16". Satin nickel, polished heads.

Length 8¾". Weight 8 ozs.

LIST PRICE, each **$2.00**

BRAKE TOOL SECTION



BRAKE SET No. BR-15

"Van-Chrome" Brake Service Sets

Not just an ordinary collection of tools but a highly developed unit which constitutes the most complete set with the minimum number of pieces. Each wrench is designed for its particular job, with proper leverage, thinness and angles of heads to clear obstructions, enabling mechanics to adjust brakes quickly, easily and correctly on a profit producing basis. Includes tools for Bendix, Lockheed-Hydraulic, Midland Steeldraulic and others.

SET No. BR-15 contains one each of fifteen brake tools, Nos. 183, 241, 243, 251, 261, 262, 271, 272, 281, 282, 283, 284, 285, 301 and 2333 which are illustrated and described on pages 44 to 47. Weight 8 lbs. 5 ozs.

LIST PRICE, in box **$25.45;** in leatherette case..... **$27.15**

SET No. BR-13, same as above assortment, minus the No. 183 and No. 272 pliers, thirteen tools in all.

LIST PRICE, in box **$20.15;** in leatherette case..... **$21.85**

"Van-Chrome" Box Wrench No. 251 For Brake Adjustments

Extra Long—5/8" Offset—50° Angle

Drop Forged from Chrome Vanadium Steel

This wrench will clear obstructions and operate efficiently even where nuts are countersunk. It is designed for anchor studs on internal mechanical brakes and will also be found very useful for heavy duty work on tractors and large trucks. Heat treated and finished in double satin nickel with brightly polished heads. The twelve point openings fit 5/8" and 3/4" S.A.E. nuts, also 5/8" U.S.S. nuts. The 15" length is very important. Twelve point openings 15/16" and 1 1/16". Length 15". Weight 1 lb.

LIST PRICE, each..... **$2.60**

"Van-Chrome" Special Brake Wrenches

22½° and 62½° Angle Heads

Drop Forged from Chrome Vanadium Steel

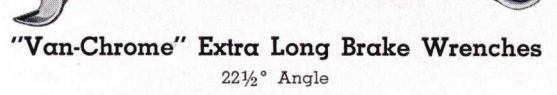
SET No. 280

Engineered to handle with ease both major and minor adjustments on all makes of cars and trucks. Brake service specialists will immediately appreciate the super efficiency of these unusually handy special angle wrenches. The extra narrow pointed heads insure clearance and the slim handles enable mechanics to work easily in confined places. Each end has the same size opening, one set at 22½° the other at 62½°, providing the highest efficiency for brake service work. Drop forged from Chrome Vanadium Steel and heat treated. Satin nickel, heads polished.

Wrench No.	Openings Milled	Length	Thickness Heads	List Price Each
281	9/16 & 9/16	6 1/4	1/4	**$1.00**
282	5/8 & 5/8	6 1/4	1/4	**1.00**
283	11/16 & 11/16	7 9/16	9/32	**1.25**
284	3/4 & 3/4	7 9/16	9/32	**1.25**
285	7/8 & 7/8	8 3/8	9/32	**1.50**

SET No. 280 contains one each of above wrenches. Weight 1 lb. 14 ozs.

LIST PRICE, in box **$6.00;** in pocket leatherette case..... **$6.70**



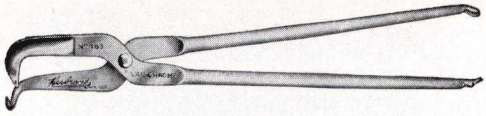
"Van-Chrome" Extra Long Brake Wrenches

22½° Angle

Drop Forged from Chrome Vanadium Steel

Specially designed for anchor nuts on Bendix and other mechanical brakes both external and internal, these wrenches have extra length to provide ample leverage for heavy service. To adjust brakes correctly, U bolts, shackle bolts and spring perch nuts must first be properly tightened and these three wrenches will be found invaluable for this work. The extra long handles make it easy to work under cars and they will be found useful for many other jobs requiring strong, extra leverage wrenches, especially on trucks and tractors. Finished in satin nickel with bright heads.

Wrench No.	Openings Milled	Length	Thickness Heads	List Price Each
241	3/4 & 7/8	15	7/16	**$2.60**
242	15/16 & 1 1/16	16	1/2	**2.80**
243	1 & 1 1/8	16	1/2	**2.80**



"Van-Chrome" Brake Spring Plier No. 183

13" Long for Heavy Duty Service

Drop Forged from Chrome Vanadium Steel

Here is a large size Brake Spring Plier with a generous capacity of jaw opening for the quick and easy removal and replacement of brake shoe springs on practically all cars equipped with internal brakes.

The sharp point of the goose neck curve of the upper jaw anchors on the brake lining in a positive way, while the cork screw hook of the lower jaw pulls the spring into position readily. The ends of the handles have different forged notches—one end slips the upright springs into position on the stud, the other end removes them easily. Satin nickel with polished heads.

Length 13". Weight 11 ozs.

LIST PRICE, each **$3.20**

Brake Spring Plier No. 182

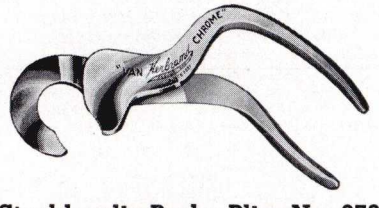
8½" Long

Drop Forged from Chrome Alloy Steel

Works efficiently on smaller springs where long handles would be awkward. Satin nickel finish with heads polished.

Length 8½". Weight 6 ozs.

LIST PRICE, each **$1.90**



Steeldraulic Brake Plier No. 272

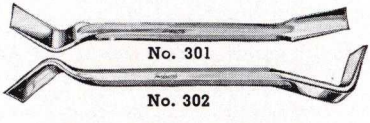
Special Curved Handles

Drop Forged from Chrome Alloy Steel

Designed to reach and get a positive hold on the knurled brake adjusting nuts used on various models of Auburn, Hupmobile, Oakland, Nash, Pontiac and other cars equipped with steeldraulic brakes. Finished in satin nickel plate with mirror bright heads.

Length 5½". Weight 5 ozs.

LIST PRICE, each **$2.10**



No. 301

No. 302

Star Nut Brake Tools

Drop Forged from Chrome Alloy Steel

Clears obstructions such as shock absorbers and frame fittings easily. Thinner and wider contact points and that sensitive touch so necessary for locating and adjusting the cog screw on Bendix Brakes. Satin nickel with polished points. Length 8". Weight 4½ ozs.

No. 301 for Bendix Brakes on most passenger cars and trucks.

No. 302 for Bendix Brakes on Hudson and Essex cars.

LIST PRICE, each ..... **$ .75**

Eccentric Brake Wrenches

Open End Type—15° Angle Heads

Drop Forged from Chrome Vanadium Steel

The two sizes of Herbrand Eccentric Break Wrenches carry the four necessary openings to adjust the eccentric cam on Bendix Internal Brakes. They are long, thin and strong and handle this important adjustment easily. Satin nickel, polished heads.

Wrench No.	Openings Milled	Length	Thickness Heads	List Price Each
261	5/16 & 1/4	9	7/32	**$1.30**
262	5/16 & 3/8	9	7/32	**1.30**

Eccentric Brake Wrenches

Elongated Box Type Openings

Drop Forged from Chrome Vanadium Steel

Designed to fit the slab head on brake eccentrics and are the only wrenches of this type built. Available in six openings sizes to fit Bendix, Lockheed, and most truck and bus brakes. The unique offset makes it possible to hold the eccentric in exact position while the lock nut is being tightened. Satin plate, bright heads.

Wrench No.	Opening Broached	Length	List Price Each
195	5/16 & 1/4	5	**$1.20**
196	5/16 & 7/16	6	**1.30**
197	3/8 & 1/2	6	**1.30**

Ford Brake Wrench No. 2333

For Models A, AA, B, BB and V-8

Drop Forged from Chrome Vanadium Steel

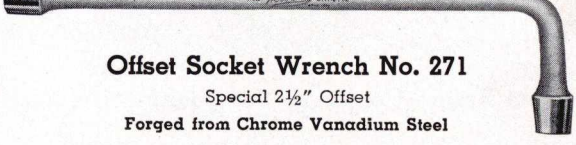
Extreme lightness and thinness with maximum strength are some of the outstanding features of this wrench. The long, thin handle reaches the adjusting nut easily with plenty of leverage for frozen or rusted brake nuts. The 8-point box type openings slip over the nut in a positive way, gripping it at any angle and permitting either a short or full turn. Heat treated all over and finished in double satin nickel, with polished heads.

No. 2333 eight point openings 7/16" and 1/2". Length 11". Weight 7½ ozs.

LIST PRICE, each **$1.20**

No. 2332, same design as above but forged from carbon steel. Eight point openings 7/16" and 1/2". Length 11". Weight 14 ozs.

LIST PRICE, each ..... **.75**



Offset Socket Wrench No. 271

Special 2½" Offset

Forged from Chrome Vanadium Steel

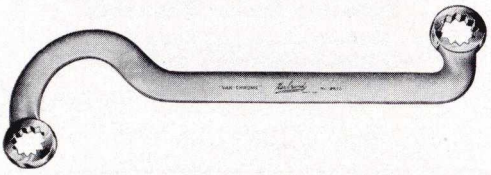
Designed to fit the adjusting nuts on Bendix and Steeldraulic internal brakes for which it is the ideal tool. Also well suited for connecting rod service on Ford V-8. It is not guaranteed against breakage because of the extreme thinness of the head walls. Finished in satin nickel plate with heads buffed bright. One end has a 2½" offset at a 90° angle.

Six point openings 9/16" and 9/16". Length 11½". Weight 13 ozs.

LIST PRICE, each **$1.60**

SPECIAL KNEE-ACTION TOOLS

Drop Forged from Chrome Vanadium Steel



Knuckle Support Yoke Wrench No. 2410

For Buick and Oldsmobile

This special Knee-Action Wrench has the necessary angles and bends to service the upper and lower yoke nuts on late Buick and Oldsmobile. The 1¼", 12-point opening in the curved end takes the upper support nut which is set between the shock absorber and the spindle; the 1 7/16", 12-point opening reaches the nut on the lower support yoke. This special wrench is absolutely necessary to reach these nuts which are inaccessible with ordinary wrenches. Also the ideal wrench for camber work.

Length 21". Weight 3 lbs. 6 ozs. Satin nickel, polished heads.

LIST PRICE, each **$8.00**

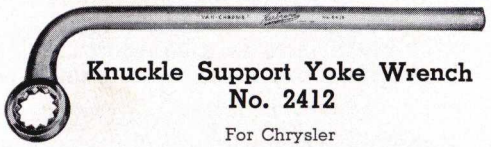
Brake Shoe Centralizing Wrench No. 2411

For Pontiac and Oldsmobile

This wrench is absolutely essential for centralizing the brake shoes on the new knee-action Pontiac and Oldsmobile. The 15/16" open end is necessary for the front brakes and has the proper thickness of heel for positive fit; the 15/16", 12-point opening is set at the correct angle for use on the rear brakes.

Length 15½". Weight 1 lb. 5 ozs. Satin nickel, heads polished.

LIST PRICE, each **$4.65**



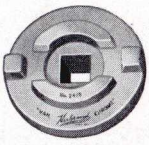
Knuckle Support Yoke Wrench No. 2412

For Chrysler

The knuckle support yoke nut on new Chryslers is impossible to reach without this specially designed Knee-Action Wrench. It carries a 1¼", 12-point box opening forged at the proper angle for clearance, with a 16" handle for leverage. Can also be used for camber adjustments on Chrysler and Plymouth.

Length 16½". Weight 2 lbs. 8 ozs. Satin nickel finish.

LIST PRICE, each **$4.00**



Front Spring Centering Nut Spanner No. 2413

For Pontiac

Equalizing the front spring suspension on the new Pontiac knee-action requires this special Spanner. It is essential for adjusting, removing or replacing the front spring centering nut. It is equipped with the ½" square drive service connection for the use of any standard handle unit and is conveniently used with the Herbrand S-10 Ratchet.

Satin nickel plate. Diameter 2½". Weight 10 ozs.

LIST PRICE, each **$2.65**

Retainer Cap Spanner No. 2414

For Pontiac

The front spring housing retainer cap on early Pontiac knee-action must be removed to reach the inner centering nut for front spring suspension adjustment. No. 2414 is especially designed for this purpose and avoids damage to threads. Double plated in satin nickel.

Length 17¼". Weight 2 lbs.

LIST PRICE, each **$4.65**

Steering Arm Nut Wrench No. 2415

For Chevrolet and Pontiac

The steering arm nut on these new knee-action cars is set so close to the frame that it is almost impossible to reach them. This double end box type wrench with 1¼", 12-point openings has the heads forged at special angles to easily fit over and adjust these nuts. Finished in satin nickel with polished heads.

Length 18". Weight 2 lbs.

LIST PRICE, each **$4.65**

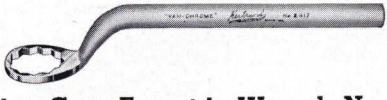
Steering Gear Eccentric Wrench No. 2416

For Chevrolet, Buick, Pontiac and LaSalle

This special short, thin wrench is required for adjusting the knee-action steering gear eccentric. The 1$\frac{5}{16}$", 12-point box opening is only $\frac{3}{16}$" thick to permit a full firm grip on the adjusting nut and the handle is 5½" long for clearance. Not guaranteed due to extreme thinness.

Length 5½". Weight 5 ozs. Satin nickeled.

LIST PRICE, each **$2.25**



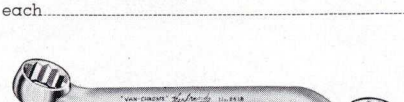
Steering Gear Eccentric Wrench No. 2417

For Buick and Cadillac

The extra thin $\frac{3}{16}$" head with 1⅛", 12-point box opening fits perfectly over the Buick steering gear adjusting nut. The 8¾" handle provides the necessary leverage and is sufficiently short to clear obstructions. Satin nickel, head polished. Not guaranteed due to extreme thinness.

Length 8¾". Weight 8 ozs.

LIST PRICE, each **$2.45**



Eccentric Lock Nut Wrench No. 2418

For Buick

This special wrench is required for knee-action service on Buick steering gear eccentric lock nut and the roller shaft adjusting lock nut. It carries a combination of 1$\frac{3}{16}$" and ⅞", 12-point openings, special angled for perfect accessibility. Satin nickel with polished heads.

Length 8¾". Weight 9½ ozs.

LIST PRICE, each **$2.65**

Herbrand
FREMONT, O.
"SINCE 1881"

FORD SERVICE TOOL SECTION

Ford Radius Rod Bolt Holder No. 2330

For Ford Models A and AA

Drop Forged and Heat Treated

Designed to easily assemble the radius rod bolts through the 1 1/16" diameter opening at the bottom of the flywheel housing. It speeds up work and eliminates the hazard of dropping the front radius rod bolts into the flywheel housing. Satin nickel finish with polished heads.

Length 10". Weight 8 ozs.

LIST PRICE, each **$2.25**

"Van-Chrome" Main Bearing Wrench No. 2331

For Ford Models A, AA, B, BB and V-8

Forged from Chrome Vanadium Steel

The head is set at the correct angle to reach and turn the main bearing bolts on all Ford Cars. It carries a 9/16", 8-point opening in one end and a 3/4", 12-point opening in the other and has the necessary 15 1/2" length to service all main bearing bolts. Satin nickel finish with polished heads.

Length 15 1/2". Weight 1 lb. 3 ozs.

LIST PRICE, each **$2.00**

"Van-Chrome" Brake Adjusting Wrenches

For Ford Models A, AA, B, BB and V-8

Drop Forged from Chrome Vanadium Steel

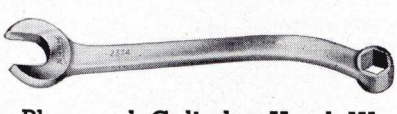
Extreme lightness and thinness with maximum strength are some of the features of this wrench. The long, thin handle reaches the adjusting nut easily with plenty of leverage for frozen or rusted brake nuts. On the late V-8's the adjusting nut is located higher up on the drum. This wrench does the job by working over the top of the wheel. Satin nickel with polished heads.

No. 2333 eight point openings 7/16" and 1/2". Length 11". Weight 7 1/2 ozs.

LIST PRICE, each **$1.20**

No. 2332, same design as above but forged from carbon steel. Eight point openings 7/16" and 1/2". Length 11". Weight 14 ozs.

LIST PRICE, each ..... **.75**



Spark Plug and Cylinder Head Wrenches

For Ford Models T, A, AA, B, BB and V-8

Drop Forged and Heat Treated

Made in two sizes—No. 2334 for Model T Ford; No. 2334A for all later models. Satin nickel finish. Length 10".

No. 2334 (Ford No. B-17017) openings, box end 5/8"; open end 15/16".

LIST PRICE, each ..... **$ .50**

No. 2334A, openings, box end 1 1/16"; open end 1 1/8".

LIST PRICE, each ..... **.55**

"Van-Chrome" Special Manifold Wrench No. 2335

For Ford, Chevrolet, Dodge, Plymouth, Graham, Pontiac, Terraplane, Studebaker and Others

Drop Forged from Chrome Vanadium Steel

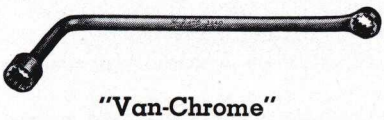
Unique offsets, angles, twists and bends to clear obstructions where ordinary wrenches are useless. It carries double 12-point 9/16" openings. One end is offset 2 3/16" and is angled at 23° for clearance on exhaust manifolds. The heel of the offset is thinned down for accessibility. This head fits the lower, center and lower rear exhaust manifold nuts on V-8. It clears the steering column and the cable conduit.

The 9/16", 12-point opening in the opposite end is angled at 50° for clearance on the cylinder block, and the handle has a 10° angle offset to clear the steering column when wrench is used on the exhaust manifold rear top V-8 nuts.

Adaptable for the exhaust manifold nuts on many of the popular late model cars including those listed above. Finished in satin nickel.

Twelve point openings 9/16" and 9/16". Length 8½". Weight 6 ozs.

LIST PRICE, each **$1.60**



"Van-Chrome" Head and Manifold Wrench No. 2340

For Ford Models A, AA, B and BB

Drop Forged from Chrome Vanadium Steel

With this wrench it is unnecessary to remove the carburetor adjusting rod to reach the exhaust manifold nuts. It has a 1 1/16", 12-point socket opening on one end, and 1 1/16", 12-point box opening on the 4" offset end to clear the water outlet pipe. Will also handle all head bolts.

Satin nickel finish. Length 15". Weight 15 ozs.

LIST PRICE, each **$2.20**

"Van-Chrome" Headlight and Horn Nut Wrenches

For Ford V-8, Hudson and Terraplane

Drop Forged from Chrome Vanadium Steel

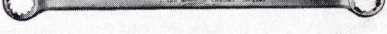
The 12-point, box type slotted heads permit adjusting or removing the headlight and horn nuts without disconnecting the wiring. Extra rigid jaws prevent springing off the nut when pressure is applied.

No. 2344V, openings 15/16" and 1 1/16", fitting headlight nuts on all V-8's including latest models.

No. 2344, openings ¾" and 15/16". The ¾" end fits horn nuts on all V-8 models, the 15/16" end fits headlight nuts up to 1935, also Hudson and Terraplane.

Satin nickel finish. Length 12". Weight 13 ozs.

LIST PRICE, each **$1.80**



"Van-Chrome" Crank Case Drain Wrench No. 2345

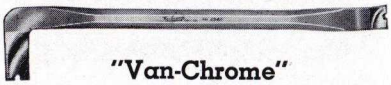
For Ford V-8

Drop Forged from Chrome Vanadium Steel

A special wrench with 15/16" and 1 1/16" twelve point box openings. The 15/16" opening fits the crankcase drain plugs on Ford 1933 and 1934 models, and the 1 1/16" opening fits 1932. Satin nickel with heads polished.

Length 15". Weight 1 lb.

LIST PRICE, each **$2.60**



"Van-Chrome"
Shock Absorber Adjusting Tool No. 2346

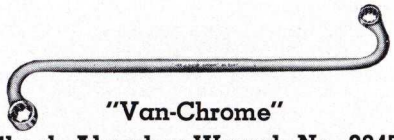
For Ford V-8 Models

Drop Forged from Tungsten Steel

Both heads are offset 90° but set at different angles to readily engage the slot in the adjusting nut regardless of its position. Ample length and proper offsets to reach through the wheel spokes. Each blade is notched to clear the pin and ground accurately to correct slot gauges. Satin nickel plate with heads polished.

Length 6½". Weight 4 oz.

LIST PRICE, each ..... **$ .90**



"Van-Chrome"
Shock Absorber Wrench No. 2347

Combination 8 and 12-point Openings for Ford V-8

Drop Forged from Chrome Vanadium Steel

Filler plugs on shock absorbers placed in the frame channels on late Ford V-8's are extremely hard to reach. Some are square, others hex. This special S wrench, scientifically designed with 8 and 12-point openings, gets them both. It has unique angles which clear obstructions. Satin nickel with heads polished.

Openings 7/16". Length 11½". Weight 7 ozs.

LIST PRICE, each **$2.10**

Shock Absorber Wrench No. 2341

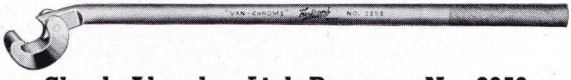
For Ford Cars, All Models

Drop Forged from Chrome Vanadium Steel

For oil filler plugs on Ford shock absorbers. The filler plugs on rear shock absorbers are set so close to the fender that it is difficult for an ordinary wrench to remove them. Satin nickel, polished head.

Length 5". Opening 7/16". Weight 1½ ozs.

LIST PRICE, each ..... **$ .80**



Shock Absorber Link Remover No. 2356

For Ford Models 1932-1934

Chrome Alloy Steel

To replace old type riveted shock absorber links with the new bolted-together type, Herbrand has created this Link Removing Tool. It is cleverly constructed to remove the old links without springing or distorting the housing which was otherwise unavoidable. The head of this special tool is reversible and may be used either from the right or left hand side.

To remove old shock links, hook tool around housing with the chisel edge behind the rivet head. A simple pull on the handle will shear off rivet and allow halves to be separated without distorting or springing the housing. Satin nickel finish.

Length 24". Weight 3 lbs. 6 ozs.

LIST PRICE, each **$2.90**

"Van-Chrome" Shackle Bushing Punches

Made in Two Sizes for the Ford V-8

Chrome Vanadium Steel

Designed to conform to the contour of the shackle bolt they remove and replace rubber shackles on the Ford V-8 with a minimum of time and effort. Engage perfectly the end of the shackle bolt which eliminates the possibility of splitting the case. Satin nickel with polished bit.

No. 2348 for use on 7/8" shackle of V-8 rear spring. Length 7¼".

No. 2349 for use on ¾" shackle of V-8 front spring. Length 7¼".

LIST PRICE, each **$1.80**

"Van-Chrome" King Pin Punch No. 2357

For All Ford Models

Made from Chrome Molybdenum Steel

When pins are extra tight, jack up car, place anvil or solid base under the spindle, slip the tool into king pin and lower car until weight is resting on the Punch; strike axle sharply on top and the king pin is forced out without damaging spindle. Satin nickel. Length 4".

LIST PRICE, each ..... **$ .80**

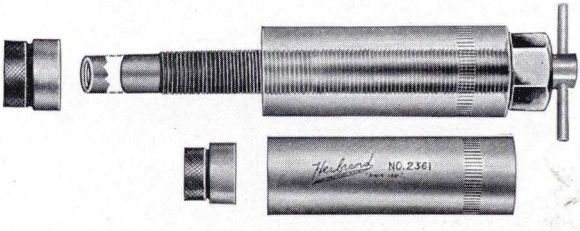
"Van-Chrome" Spindle Bushing Punch No. 2358

For All Fords and Other Popular Cars

Made from Chrome Molybdenum Steel

The split type bushing is very difficult to insert without the proper tool because it has a tendency to overlap and buckle in the spindle. This special Bushing Punch entirely eliminates unassembling the front end. It is equally efficient for either the insertion or removal. Satin nickel finish with polished ends. Length 2⅜". Weight 4 ozs.

LIST PRICE, each **$1.00**



Perch and Spring Rubber Bushing Tool No. 2361

An Important New Tool For All Model Fords

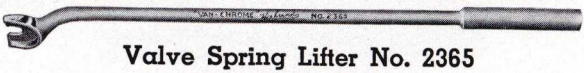
Works on both front and rear shackles—removes and replaces spring and perch rubber bushings easily and quickly. This tool consists of two different steel sleeves, one pulling screw with cross handle, two knurled guides and hex forcing nut to service the complete range of rubber bushings. The ¾" sleeve is for perch shackles and the 7/8" sleeve takes the spring shackles.

To remove bushings: 1—turn hex nut to cross handle; 2—place sleeve against spring or perch in line with bushing to be pulled; 3—insert pulling screw through sleeve and screw on bushing spindle with cross handle provided to avoid use of wrenches; 4—screw knurled guide on opposite end of bushing spindle; 5—turn hex nut down on sleeve.

To insert new bushings: 1—thread the knurled guide on bushing spindle; 2—revolve hex nut up to cross handle and insert in sleeve; 3—hold bushing behind and in line with the spring or perch eye and screw on puller with cross handle; 4—tighten hex nut until bushing is drawn into place.

Satin nickeled. Length 4½". Weight 1 lb. 10 ozs.

LIST PRICE, complete **$5.00**



Valve Spring Lifter No. 2365

New Design for All Fords

Drop Forged from Select Tool Steel

Designed with a universal type jaw that combines two sizes for servicing all V-8 Fords from 1932 to the latest models. It saves time over any other type lifter and the 24" length provides ample leverage for removing the stiffest springs. Drop forged in one piece from special Tool Steel, the large knurled handle gives a firm, steady grip.

To service models 1932-33: Insert fork near bottom of spring, depress handle using opposite block as a fulcrum. This enables retainer washer to be removed, then withdraw valve lifter and drive guides out.

To service models 1934-1935: With heel of tool upward, insert fork near lower end of valve guide. Pull upward on handle pushing valve guides down which permits removal of horse shoe lock. Reverse tool, push down on handle and valve and guides will push out at top of block. For badly carbonized guides use as described for 1932 models and remove valve spring retainer. Attractively finished in triple nickel plate.

Length 24". Weight 2 lbs.

LIST PRICE, each **$2.00**

"Van-Chrome" Valve Guide Knockouts

For All Ford Models

Drop Forged from Chrome Vanadium Steel

Here's a tool that will do the job with a minimum of time and effort. Ruggedly constructed to eliminate distortion and designed to clear the valve seat. Knurled handle for good grip. Triple plated in satin nickel.

No. 2353 for Models A and B. Length 9". Weight 7 ozs.

No. 2354 for V-8 Models.

LIST PRICE, each ..... **$ .90**

"Van-Chrome" Piston Pin Tools

Improved Type—For All Fords

Chrome Vanadium Steel

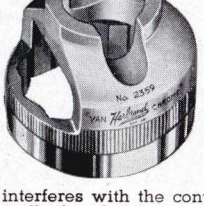
Absolutely necessary and perfect for Ford piston pin work. An important feature of superiority is the elimination of the hazard of starting the pin improperly and damaging the piston as is often done with inferior tools. It is a two piece tool heavily cross-knurled at both ends with threaded shank and a tapered tubular nose into which the shank is screwed. Constructed in such a manner that it is quickly assembled without the aid of any special tools. Tempered so that constant use will not wear the pilot. Satin nickel finish with polished ends.

To remove pin: Insert shank through the pin and screw the nose on until it sets tightly. Tap the nose with hammer jarring loose the lock ring and the pin is readily withdrawn.

To insert pin: Assemble the pin in the tool. Heat the piston to expand pin hole. Insert nose of tool and tap it through piston and connecting rod bearing until the locking ring seats itself and the pin is in place.

No. 2351, For Ford Models A, AA, B, BB. Length 10¼". Weight 1 lb. 9 ozs.
LIST PRICE, each **$2.35**

No. 2352, For Ford V-8. Length 8". Weight 11 ozs.
LIST PRICE, each **2.10**



"Van-Chrome" Fan Pulley Socket No. 2359

For All Ford Models

Hot Forged from Chrome Molybdenum Steel

The radiator need not be removed to reach the fan pulley nut with this special Socket. Simply insert a standard crank handle after the Socket is seated on the nut. Very essential on late models where the fan pulley must be loosened to drop the pan. Clears the spring saddle which interferes with the conventional type socket. Satin nickel, polished side walls, knurled for easy turning. 12-point opening 1⅜". Weight 4 ozs.

LIST PRICE, each **$1.50**

"Van-Chrome" Gas Tank Spanner No. 2355

For Ford V-8

Drop Forged from Chrome Vanadium Steel

The filler neck of the gas tank on Ford V-8 Models extends through the left rear fender. When replacing fenders or if leakage occurs the filler neck must be removed or tightened. The packing nut on the filler pipe of the gas tank is made from alloy steel and cannot be successfully removed or tightened without this Spanner. Satin nickel with brightly polished faces. The handle is knurled for perfect gripping quality.

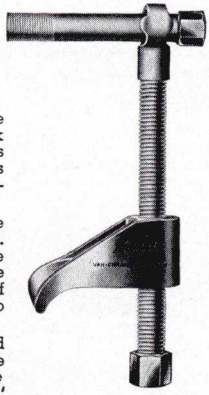
Length 12½". Weight 9 ozs.

LIST PRICE, each **$1.60**

"Van-Chrome" Motor Jack No. 2360

For Late Ford V-8 Models

Chrome Vanadium Steel



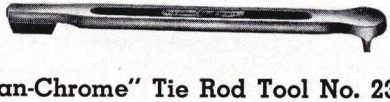
When the mechanic finds it necessary to raise the motor on the Ford V-8 for dropping the crank case this tool is indispensable. It not only raises the motor and holds it in position but provides the means of turning the motor over while working on the bearings, rings, pistons, etc.

It is not necessary to remove the hood and the car may be in any position on the garage floor. Simply remove the fan pulley nut, screw the threaded bolt into the crank shaft and rest the foot of the tool on the chassis. An easy turn of the forcing screw raises or lowers the motor to the proper working position.

The use of a conventional jack is dangerous and frequently the shop is not in condition for the use of a chain hoist. Mechanics appreciate the ease and convenience with which "Van-Chrome" Ford Motor Jack simplifies this otherwise complicated job. It is ruggedly built for utmost dependability and should be part of every efficient mechanic's equipment.

Satin nickeled. Height 9". Weight 2 lbs.

LIST PRICE, each **$7.00**



"Van-Chrome" Tie Rod Tool No. 2350

For the Ford V-8

Drop Forged from Chrome Vanadium Steel

This sturdy Tie Rod Tool is essential and works easily and speedily on Ford V-8 and other makes of cars. Close coupled for cramped working quarters. In tightening rod ball joints on the left side, wheels must be turned as far to the right as possible and the action reversed for right side joints. It also is a time saver when used to remove or replace filler plugs on Chevrolet and Pontiac shock absorbers. Satin nickel.

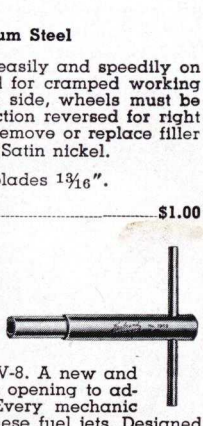
Length 7½". Thickness of blades 3/32". Width of blades 13/16".

LIST PRICE, each **$1.00**

Carburetor Jet Wrench No. 1955

Oblong Opening For Late Ford V-8

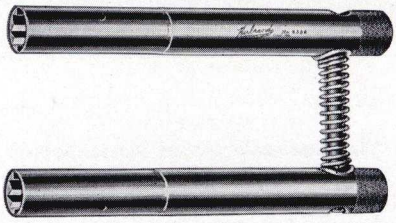
Hot Forged and Heat Treated



The key to carburetor troubles on the late Ford V-8. A new and necessary tool with an oblong hot forged socket opening to adjust the carburetor jets on late model V-8's. Every mechanic needs this tool to service the recent change of these fuel jets. Designed with the necessary thinness and length for speed and efficiency. Smoothly ground with satin nickel finish.

Length 2½". Handle 2½". Weight 1 oz.

LIST PRICE, each ..... **$ .65**



"Van-Chrome" Main Bearing Bolt Holder No. 2336

For V-8 Models

Forged from Chrome Alloy Steel

The 8-point 9/16" openings in this Wrench are hot forged to fit the square bolt heads regardless of position, because there is sufficient flexibility in the spring to hold both tool and bolts even though working upside down. The tool and bolts remain in place, instead of dropping out after the nuts and bearing cap have been removed. This tool is essential to hold the main bearing bolts from turning while adjustments are made.

Satin nickel finish. Length 8½". Weight 2 lbs. 14 ozs.

LIST PRICE, each **$3.50**

Starting Crank and Wheel Nut Wrenches

For Ford V-8

Forged and Heat Treated

One special Crank Handle and two Extensions are required for service on all Ford V-8's from the original model to 1935 inclusive. Finished in baked black enamel.

No. 2339V (Ford Nos. 40-17036 and B17036C) Crank Handle and Rim Wrench. One end 13/16" hex socket the other end a square drive to fit extensions listed. Length 8¼". Weight 1 lb. 10 ozs.

LIST PRICE, Crank only ..... **$ .75**

Nos. 2339-40. Extension (Ford Nos. 40-17040C and B17040B) Has tapered square drive to fit into Crank Handle. For use on V-8 models 1932-1934 inclusive. Length 17⅞". Weight 1 lb. 13 ozs.

LIST PRICE, Extension only ..... **$ .45**

No. 2339-48 Extension (Ford No. 48-17040) to be used with 2339V Crank Handle for 1935 V-8. Length 20¼". Weight 2 lbs.

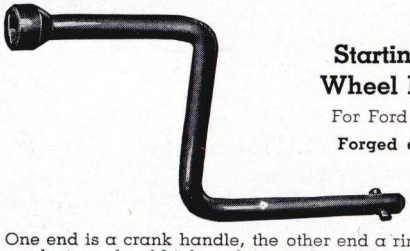
LIST PRICE, Extension only ..... **$ .50**

No. 2339V-40. Combination of Handle No. 2339V and No. 2339-40 Extension. Fitting all V-8 Models up to 1935.

LIST PRICE, complete **$1.20**

No. 2339V-48. Combination of Handle No. 2339V and No. 2339-48 Extension for 1935 V-8.

LIST PRICE, complete **$1.25**



Starting Crank and Wheel Nut Wrenches

For Ford Models A and AA

Forged and Heat Treated

One end is a crank handle, the other end a rim nut wrench. Forged from a select grade of high carbon steel, and heat treated.

Length 14⅞". Weight 2 lbs. Finished in baked black enamel.

No. 2337, Socket opening 13/16" for Ford A (Ford No. A17036B)

LIST PRICE, each ..... **$ .67**

No. 2338A, Socket opening 1⅛" for Ford AA (Ford No. AA17036B)

LIST PRICE, each ..... **$ .70**

Special Connecting Rod Socket S-118V

½" Square Drive—For Ford V-8

Hot Forged from Chrome Molybdenum Steel

Special extra thin wall socket with 9/16" 12-point hot forged opening. Standard sockets will not handle this job. Due to extreme thinness necessary this socket is not guaranteed.

LIST PRICE, each ..... **$ .65**

Connecting Rod and Main Bearing Sockets

For Ford Models A, B and V-8

Hot Forged from Chrome Molybdenum Steel

12-point openings, extra thin walls—½" square drive connections to fit standard handle units.

No. S-121, 21/32" opening for Ford A and B connecting rod bearing cap nuts.
LIST PRICE, each ..... **$ .65**

No. S-124, ¾" opening for rear main bearing work on all Ford models.
LIST PRICE, each ..... **.75**

Ford Spark Plug Sockets—½" Square Drive

Refer to page 9 for the necessary sizes to service all Ford Models.

Special Knockout Wheel Pullers and Hub Puller

A complete line for Ford work will be found on pages 18 and 19.

Ford Cylinder Wall Ridge Reamers

Reamers for efficient handling of all Ford jobs are shown on page 21.

Complete Ford Truck Rim Wrench

See No. 1150A illustrated and described on page 37 of this catalog.

Pan Service Socket No. J-616

For Ford V-8 and Other Cars

Hot Forged from Chrome Molybdenum Steel

A special 6-point socket with ½" opening necessary for efficient pan work. ⅜" Square Drive.

LIST PRICE, each ..... **$ .40**

Special Ford V-8 General Service Wrenches

Drop Forged from Chrome Vanadium Steel

A triple combination unsurpassed in general service work on Ford V-8's. Three distinct types, all of which combine ⅝" and 11/16" openings to service 80% of the nuts daily encountered. The ⅝" end in No. 6827V is ideal for universal joints.

No. 6827V, Swivel Head Box Wrench, Length 9".
LIST PRICE, each **$2.10**

No. 3929, Special Angle Box Wrench, Length 9 11/16".
LIST PRICE, each **1.10**

No. 1027F, Special Open End Wrench, Length 7¾".
LIST PRICE, each ..... **.80**

Connecting Rod Wrench No. 2343

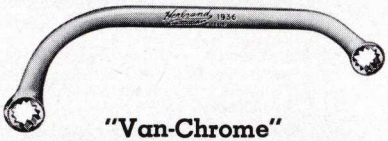
For Ford V-8 Models

Forged from Chrome Vanadium Steel

Long, slender T handle design. Has a 9/16", 12-point opening forged with a very thin wall and is 9¼" long for the necessary reach. The T cross bar is 10" long. Finished in satin nickel. Not guaranteed due to extreme wall thinness.

LIST PRICE, each **$1.30**

CHEVROLET SERVICE TOOLS



"Van-Chrome" Starter and Manifold Wrench No. 1936

For Buick, Chevrolet, Pontiac, Terraplane

Drop Forged from Chrome Vanadium Steel

A real time-saving tool that replaces many special, costly wrenches. Combines 12-point openings of 5/8" and 9/16". The 5/8" opening fits Buick, Chevrolet, Pontiac Six, and Pontiac Eight starter, also Buick manifold. The 9/16" opening fits Buick heat trap and carburetor nuts, Chevrolet manifold, Terraplane starter and Pontiac manifold. (Refer to page 51 for Special Manifold Wrench which also fits Chevrolet and many other popular cars.) The unique design and thin heads permit reaching around corners and interfering parts. Satin nickel finish, polished heads. Length 9 3/8". Weight 7 ozs.

LIST PRICE, each **$1.20**

"Van-Chrome" Main Bearing Wrenches

For Chevrolet, Chrysler, Dodge, Plymouth, Pontiac

Forged from Chrome Vanadium Steel

Designed for more efficient main bearing work on all Chevrolets from 1929 to present models, these wrenches also fit many other popular cars. The 15 1/2" length is necessary for clearance, accessibility and maximum handling efficiency. The heads are offset at the correct angle for easy operation.

No. 1937 has 12-point openings 5/8" and 3/4" for work on Chevrolet Models 1929 to early 1933 inclusive.

No. 1938 has 6-point openings 11/16" and 23/32" which are the necessary sizes for late 1933 and early 1934 Chevrolets.

No. 1939 combines 11/16" and 3/4", 12-point openings which are adaptable to main bearing work on Chevrolet Models late 1934 and 1935. This wrench also services Pontiac 8, 1933 to 1935 inclusive; Chrysler 6 and 8; Dodge 6 and 8; Plymouth 1930 to 1935 inclusive.

They also fit the cylinder head bolts on the cars listed.

Triple satin nickel with polished heads. Length 15 1/2". Weight 1 lb.

LIST PRICE, Nos. 1937, 1938, 1939, each **$2.00**

Carburetor Bowl Nut Wrench No. 7731A

For Chevrolet

Drop Forged from Chrome Vanadium Steel

Specially bent and sized to easily remove the bowls of Chevrolet 6 carburetors up to 1932 models. Broached with a 3/4", 12-point opening on one end to firmly anchor on the bowl nut at any angle, the opposite end carries a 7/8" 12-point opening for general use. The offset handle clears the choke lever and other obstructions. Satin nickel, polished heads. Length 10". Weight 12 ozs.

LIST PRICE, each **$1.65**

Special Carburetor Wrench No. 1950

For Late Model Chevrolet

Drop Forged from Chrome Vanadium Steel

With this special wrench it is unnecessary to remove the air and dust filter when working on the feed line. The 9/16" open end fits the connection which is set very close to the carburetor, also the cap screws that hold the carburetor to the motor. The 1/2", 12-point box end fits the connection that screws into the carburetor. Satin nickeled, heads polished. Length 6". Weight 3 ozs.

LIST PRICE, each **$1.10**

Special Deep 8-Point Socket No. J-514

⅜" Square Drive

Hot Forged 8-point extra deep 7/16" opening and thin side walls for Chevrolet running board work. Satin nickel, polished walls. Chrome Molybdenum Steel.

LIST PRICE, each..... **$ .70**

Chevrolet Sockets for Main Bearing Work, Axle Nuts, Spark Plugs, etc.

Refer to pages 9 and 15 for listing of "Van-Chrome" Hot Forged Sockets which are adaptable to more efficient work on Chevrolet cars.

Heavy Duty Puller for Chevrolet

A special tool with a broad range of usefulness that lends itself to almost every kind of pulling work in the Chevrolet shop. Pulls bearing races, axle shafts, pinion shafts and the like. Turn to page 19 for details.

Tappet Adjusting Screw Driver No. 336T

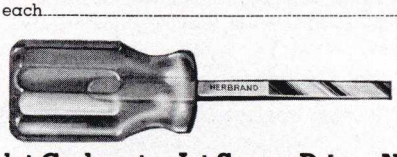
For Valve Adjustments on Overhead Motors

Chrome Tungsten Steel Blade—Special Handle

The bit is accurately ground and sized so that it is just right for tappet adjustment. The smoothly turned wood handle is shaped to fit the natural grip of the hand. Also very useful for drag links and adjustments in many other close, inaccessible places.

Length overall 6½", blade 2½". Size stock 5/16" square. Weight 4 ozs.

LIST PRICE, each..... **$ .70**



Chevrolet Carburetor Jet Screw Driver No. 1957

Chrome Tungsten Blade—Pyralin Handle

Efficient work on Chevrolet carburetor requires this new Screw Driver with special length, thickness, width and taper of blade. Just right for perfect engagement and accessibility.

Length overall 4¼", blade 2⅛". Weight 2 ozs.

LIST PRICE, each..... **$1.05**

Special Knock Out Wheel Pullers and Hub Puller

The necessary sizes and improved types are illustrated on page 18.

Cylinder Wall Ridge Reamers

Turn to page 21 for listing of the reamers necessary for Chevrolet work.

Chevrolet Dual Wheel Truck Rim Wrench

Refer to wrench No. 1150B shown on page 37 for illustration and price.

Chevrolet Pan Screw Driver No. J-41

Chrome Vanadium Steel—⅜" Drive

With this tool, replacing and removing screws from the Chevrolet oil pan is quick and easy. The tubular guide fits over the screw head readily and locates the bit positively in the slot with no chance of slipping off. The flexible spring construction provides simple and easy action. Drilled with four holes to avoid accumulation of grease and dirt. ⅜" drive connection to fit any Junior Series Handles.

Satin nickel plate. Length 2". Weight 2 ozs.

LIST PRICE, each..... **$1.25**

Chevrolet Starting Crank No. 1930R

(Chevrolet No. 355441)

For Models 1929 and 1930 Passenger Cars

Forged, heat treated and designed to clear obstructions. Fitted with revolving grip handle. Finished in black enamel.

Length 22¾". Weight 3 lbs. 4 ozs.

LIST PRICE, each ..... **$ .60**

Chevrolet Starting Crank No. 1931R

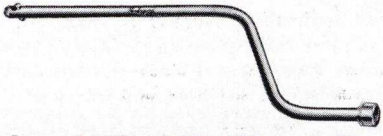
(Chevrolet No. 352768)

For Models 1923 to 1928 and 1933 Passenger and Truck

Same design as No. 1930R, illustrated above, with revolving grip handle but of a different length to fit the models as listed.

Length 19¼". Weight 3 lbs. Baked black enamel finish.

LIST PRICE, each ..... **$ .55**



Crank and Wheel Nut Wrench No. 1931

For Chevrolet Models 1931 and 1932

One end has the starting crank, the other a ¾" opening rim wrench. Finished in black enamel. Length 14½". Weight 2½ lbs.

LIST PRICE, each ..... **$ .67**

Crank and Wheel Nut Wrench No. 1933

(Chevrolet No. 370853)

For 1933 Model

Same as No. 1931 except length from lug to bend is 11" instead of 7". Length 18½". Weight 2 lbs. 10 ozs. Black enamel.

LIST PRICE, each ..... **$ .70**

Crank and Wheel Nut Wrench No. 1934

(Chevrolet No. 374491)

For 1934 Chevrolet

Forged, heat treated and finished in rust proof baked black enamel. Length 22½". Weight 3 lbs.

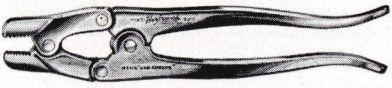
LIST PRICE, each ..... **$ .70**

Plymouth Starting Cranks

Forged, heat treated and finished in rust proof baked black enamel.

Catalog No.	Plymouth Models	Year	Chrysler Part No.	Length	List Price
2130	30U & PA	1930–1	313292	17⅜	**$ .60**
2132	PB	1932	526658	19½	**.65**
2133	PC, PD, PF & PG	1933–4	602823	24⅞	**.70**
2134	PE (DeLuxe)	1934	603672	30⅜	**.75**
***2135C Crank**	PJ	1935	642571	8¼	**.75**
***2135E Extension**	PJ	1935	642569	27⅜	**.60**

*Two pieces consisting of Crank and Extension. One end of the Crank has a square drive which engages the Extension, the other end has a ¾" hex. opening for rim nut service.



"Van-Chrome" Multiduty Plier No. 178

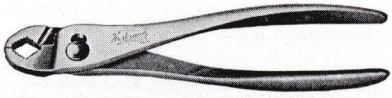
Compound Action

Drop Forged from Chrome Vanadium Steel

The positive biting grip of the 10 to 1 power Multiduty gets pipe fittings and rods, tough and battered nuts, whether square, hex or rounded. Corroded and rusted nuts come easy with this amazing tool which replaces many wrenches and several pairs of pliers. Range 3/16" to 3/4", fitting all popular S.A.E. nuts.

Length 9". Weight 12 ozs. Satin nickel plated.

LIST PRICE, each **$2.30**



General Service Plier No. 169

For Square or Hex Nuts

Drop Forged from Tool Steel

Milled with a hex opening, it fits the entire range of nuts from 3/8" to 7/8". The serrated teeth take a firm non-slip hold, and the 8" handles provide ample leverage. The slip joint permits quick and easy adjustment to fit any square or hex nut within its range. The short, thin, rounded nose reaches and turns nuts in inaccessible quarters.

Length 8". Weight 10 ozs.

No. 169-S, Satin nickel plate.
LIST PRICE, each ..... **$ .90**

No. 169-N, Full polished nickel.
LIST PRICE, each **1.10**

Combination Slip Joint Plier No. 151

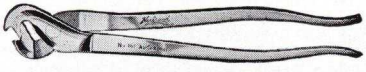
Drop Forged and Heat Treated Throughout

Built to sell at a moderate price, this general utility plier retains the well known Herbrand quality. The accurately milled sharp teeth take a biting hold and the short rounded nose is ideal for close gripping.

Length 6". Weight 8 ozs.

No. 151-B, Black enamel.
LIST PRICE, each ..... **$ .35**

No. 151-S, Satin nickel.
LIST PRICE, each ..... **.40**



Quick-Link Chain Repair Plier No. 161

Improved Design

Drop Forged from Chrome Alloy Steel

Just what the service man has been waiting for. A tire chain repair plier of improved design that does the job quicker, easier and better.

Satin nickel finish, polished heads. Length 11". Weight 14 ozs.

LIST PRICE, each **$2.20**

Chain Repair Plier No. 160

Drop Forged from Tool Steel

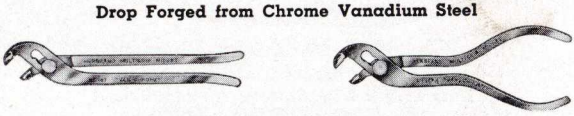
A good chain plier at low cost. Length 10 1/4". Weight 16 ozs.

No. 160-B, Black enamel.
LIST PRICE, each ..... **$ .75**

No. 160-S, Satin nickel.
LIST PRICE, each ..... **.85**

ORIGINAL MULTIGRIP PLIERS

Drop Forged from Chrome Vanadium Steel



Multigrip Midgets No. 167 and No. 167½

Little giants of capacity and utility for ignition, radio and general electrical work. No. 167 has finger tip control handles. No. 167½ full grip handles. Range 0" to 7/16". Length 4½". Weight 2 ozs.

No. 167-S, Satin nickel, polished head..... **LIST PRICE,** each..... **$1.20**
No. 167-N, Hand polished nickel..... **LIST PRICE,** each..... **1.50**

No. 167½-S, Satin nickel, polished head..... **LIST PRICE,** each..... **1.30**
No. 167½-N, Hand polished nickel..... **LIST PRICE,** each..... **1.60**

Multigrip Junior No. 168

A versatile tool for general service—replaces the conventional type plier. It fits the popular sizes of S.A.E. nuts and the handy 7½" length and small head are very convenient for reaching into close quarters. Range 0" to ¾". Length 7½". Weight 4½ ozs.

No. 168-S, Satin nickel, polished head..... **LIST PRICE,** each..... **$1.60**
No. 168-N, Hand polished nickel..... **LIST PRICE,** each..... **2.10**

Multigrip Pliers Nos. 166 and 166½

Originated by Herbrand to fit water pump pack nuts on all cars. These pliers serve such an extremely wide variety of uses that they are recognized as the most important tool in the mechanic's kit.

No. 166 has 5 slip joint adjustments and range of jaw opening from ⅜" to 1⅞". Length 9½". Weight 8 ozs.

No. 166-S, Satin nickel, polished heads..... **LIST PRICE,** each..... **$1.80**
No. 166-N, Full polished nickel..... **LIST PRICE,** each..... **2.50**

No. 166½ is designed with 7 different positions of adjustments providing jaw capacity from 0" to 2". Length 9¾". Weight 12 ozs.

No. 166½-S, Satin nickel, bright heads..... **LIST PRICE,** each..... **$2.00**
No. 166½-N, Full polished nickel..... **LIST PRICE,** each..... **2.70**

Multigrip Plier Set No. M-3

Contains one each of the three distinctive "Van-Chrome" Multigrips, Nos. 167, 168 and 166½. This handy kit will save hours of time and labor.

LIST PRICE, complete with satin nickel pliers..... **$4.80**
LIST PRICE, with polished nickel pliers..... **6.30**

Service Station Utility Kit No. M-4

This 3 pocket genuine cowhide leather holster carries the No. 168-S Multigrip Plier, No. 310, 2" blade Screw Driver and No. 312, 3" blade Driver, which are the most necessary tools around the service station. The Screw Drivers have insulated handles. Holster is designed with slits to slip through the operator's belt keeping these three tools always ready for immediate use.

LIST PRICE, complete in leather holster..... **$5.00**

BATTERY SERVICE TOOLS

Original Herbrand Creations

"Van-Chrome" Terminal Lifter and Scraper No. 177

Drop Forged from Chrome Vanadium Steel

Under the powerful leverage of this tool, badly frozen or corroded battery terminals snap up easily without marring, cracking, or loosening the plates or injuring the tops of the cells. A special release joint dismembers the plier, providing one section with a serrated nose for cleaning terminals and the other with sharp jaws for scraping posts.

Length 10½". Weight 13½ ozs.

No. 177-S, Satin nickel, bright heads.
LIST PRICE, each **$2.80**

No. 177-N, Hand polished nickel.
LIST PRICE, each **3.20**

"Van-Chrome" Battery Plier No. 179

30° Angle Jaws—Hand-fit Handles

Drop Forged from Chrome Alloy Steel

This popular, improved battery plier is original Herbrand design. The gripping jaws are serrated to take positive hold of terminal nuts, even though badly corroded, mutilated or eaten away. The jaws are set at 30° angle for easy accessibility, regardless of position of battery. The nose is tapered both sides to clear filler caps. Handles are curved for hand-fit grip.

Range 5/32" to 1". Length 8". Weight 7 ozs.

No. 179-S, Satin nickel, bright head.
LIST PRICE, each **$1.60**

No. 179-N, Hand polished nickel.
LIST PRICE, each **2.00**

Battery and Starter Nut Wrench No. 276

12-Point Openings—Panelled Handles

Drop Forged from Select Tool Steel

Here is a specially designed box type wrench with 12-point openings for either the removal or installation of the battery cable. One end has a 9/16" opening and fits battery terminal bolt nuts, the other end has a 5/8" opening and fits the copper nut on the starter switch, or starter motor connection. Satin nickel plate, buffed heads.

Length 6". Weight 2½ ozs.

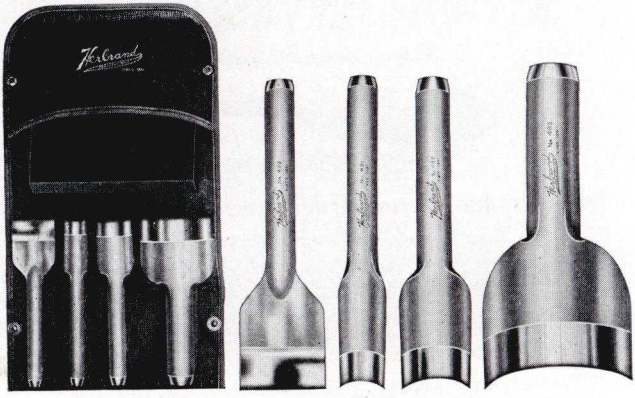
LIST PRICE, each ..... **$ .75**

Battery Service Set No. B-3

The three tools in this kit are recognized by battery experts as the most essential and efficient for practically any type of battery service work. It carries the patented Battery Terminal Lifter and Scraper No. 177-S; the improved 30° angle No. 179-S Battery Plier with curved hand-fit grip and No. 276 Battery and Starter Nut Wrench.

Tools are fully described above. Weight 1 lb. 10 ozs.

LIST PRICE, complete in pocket leatherette roll **$5.15**



SET No. C-4 No. 490 No. 491 No. 492 No. 493

Mat Cutting Tools

A Size and Style for Every Purpose

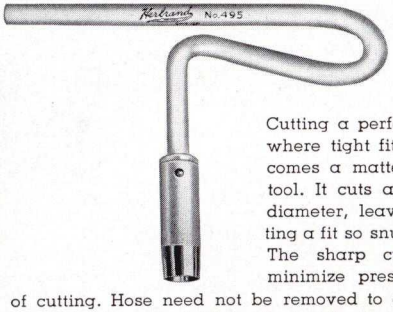
Drop Forged from Select Tool Steel

Primarily designed for mat cutting, these tools have many other daily applications in the garage and repair shop. They will be found extremely useful for general cutting of cork, felt, washers, composition, packing, gasket material, linoleum and similar materials. The sharp, beveled cutting edges are constructed to cut perfect circles from 1 1/16" to 2 3/8" in diameter. A straight edged cutting tool is also included for cutting square corners, edges and slits. These tools eliminate the hazard of tearing materials and makes the job neater, easier and faster. The heads are tapered and designed so they will not mushroom or split. Satin nickeled with edges polished.

Tool No.	Type Edge	Cutting Size Inches	Length	List Price Each
490	Straight	1 3/8 wide	5 1/4	$1.10
491	Arc	1 1/16 diam.	5 1/4	1.30
492	Arc	1 1/16 diam.	5 1/4	1.50
493	Arc	2 3/8 diam.	5 1/4	1.70
494	Rubber cutting block		5 1/4	.40

SET No. C-4 contains one each of the four Mat Cutting Tools listed above, also a solid cutting block. Weight 2 lbs.

LIST PRICE, in fibre box **$5.60**
LIST PRICE, in pocket leatherette case **6.20**



Hose Cutting Tool No. 495

For Water Heater Connections

Cutting a perfect circle in hose connections where tight fit is absolutely necessary becomes a matter of seconds with this new tool. It cuts a clean, perfect circle 5/8" in diameter, leaves no ragged edges permitting a fit so snug that leakage is eliminated. The sharp cutting edge is tapered to minimize pressure required and for ease of cutting. Hose need not be removed to cut perfect hole because the plug of rubber is held firmly inside of the cutter. The specially constructed handle end ejects the plug readily. The Cutting Socket is easily detachable but firmly held in place with a lock-on ball and spring.

Satin nickel finish. Height of complete tool 5". Width of handle 6½".

LIST PRICE, complete **$1.10**

Trico Windshield Wiper Wrench No. 145

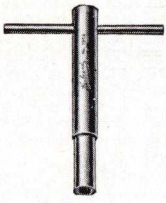
For All Makes of Cars

Forged from Chrome Alloy Steel

Those delicate adjustments required for servicing windshield wipers are accurately and easily made with this special tool. The elongated socket type openings are hot forged to precision limits for perfect engagement and are sized to service Trico windshield wipers used on all makes of cars. Double plated in satin nickel.
Double oval openings. Length 3¾". Weight 2 ozs.

LIST PRICE, each ..... **$ .75**

Carburetor Jet Wrench No. 1956

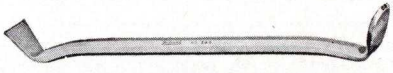


For Stromberg Carburetion—All Cars Except Ford

Hot Forged and Heat Treated

For all cars using Stromberg carburetion (except Fords) this tool is absolutely necessary for accurate adjustment. The socket type, oblong opening is hot forged to perfectly fit the carburetor jet adjusting nut. It is thin walled for adequate clearance and has the correct length for the proper reach.
Satin nickel. Length 3". Handle width 2½".

LIST PRICE, each ..... **$ .75**

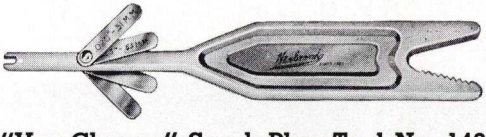


"Van-Chrome" Carbon Scraper No. 345

Forged from Chrome Tungsten Tool Steel

Designed to reach and get all of the carbon in every part of any motor head, this popular spoon-type carbon scraper is the most versatile of any produced. It has sharp knife-like edges, one straight, the other oval.
Satin nickel with polished blades. Length 9". Weight 4 ozs.

LIST PRICE, each **$1.00**



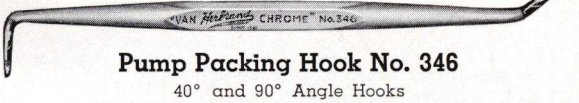
"Van-Chrome" Spark Plug Tool No. 140

For Gap Adjusting and Accurate Gauging

Drop Forged from Chrome Vanadium Steel

The tool that eliminates "thin dime" methods and does the job with 100% accuracy. It carries the four feeler gauge sizes required to space the gap between the electrodes on all types of spark plugs.
The adjusting end is machined with the proper slot for setting the electrodes to the exact spacing required for motor efficiency. It avoids damaging or snapping off firing points.
The handle end is forged with an alligator jaw for removing or tightening the spark plug terminals. Finished in satin nickel with bright gauges. Size of gauges .020"-.51 M.M., .025"-.63 M.M., .030"-.76 M.M., .035"-.89 M.M.
Length 5". Weight 2 ozs.

LIST PRICE, each ..... **$ .90**



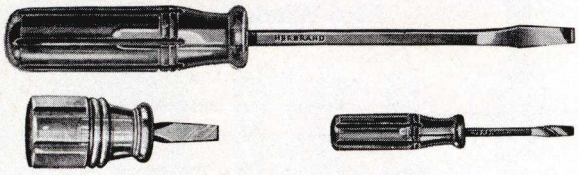
Pump Packing Hook No. 346

40° and 90° Angle Hooks

Drop Forged from Chrome Vanadium Steel

Carefully heat treated to prevent hooks from breaking—unequalled for removing old packing from all water pumps and inserting new—conveniently angled for breaking battery seals and has a wide variety of other uses. Finished in satin nickel with points brightly polished.
Length 8". Weight 2 ozs.

LIST PRICE, each **$1.00**



Protectogrip Screw Drivers

Insulated Handles

Blades Forged from Chrome Tungsten Tool Steel

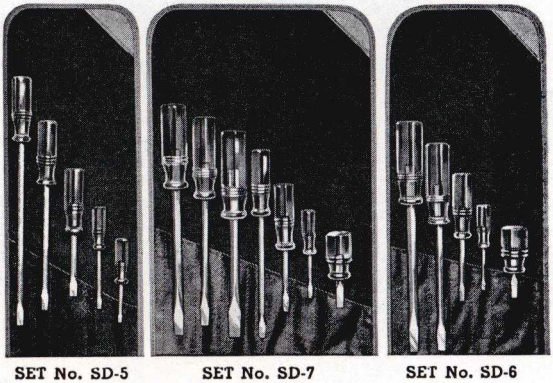
The transparent amber handles are perfect insulators against electricity and will stand eight thousand volts or more. Just the right size to fit snugly into the palm and the special deep fluted design prevents slipping even in greasy hands. These handles are individually machined from bars of Pyralin which are carefully cured to provide indestructible qualities.

The blades are cross-forged from Chrome Tungsten Alloy Steel and this special Herbrand forging process strengthens the blades and enhances the appearance. The tips are accurately ground to standard gauges, insuring a positive non-slip fit in screw slots. Only square stock is used on the blades which permits using a wrench for extra leverage.

The shanks of the blades extend far into the handles to prevent any possibility of turning. The blades are heat treated to give maximum service and resiliency.

Protectogrip are the toughest, strongest screw drivers ever offered the automotive trade and they will stand surprising abuse and wear. Blades are triple plated in satin nickel with polished points.

No.	Length of Blade	Size Sq. Stock	Overall Length	List Price Each
310	2	1/8	4 3/16	**$ .50**
311	3	1/8	4 3/16	**.60**
312	3	3/16	6 1/4	**.95**
313	6	3/16	9 1/4	**1.15**
314	9	3/16	12 1/4	**1.20**
315	1 1/4	1/4	3 1/2	**1.10**
316	6	1/4	10	**1.65**
317	10	1/4	14	**1.80**
318	1 1/4	5/16	3 1/2	**1.20**
319	7	5/16	11	**1.95**
320	12	5/16	16 1/4	**2.10**
321	6	3/8	10 1/4	**2.30**
322	12	3/8	18 1/2	**2.90**
323	16	3/8	22 1/2	**3.20**



SET No. SD-5 **SET No. SD-7** **SET No. SD-6**

Protectogrip Screw Driver Sets

SET No. SD-5, for electrical, ignition and radio service carries five slim, narrow shank drivers Nos. 310, 311, 312, 313, 314.

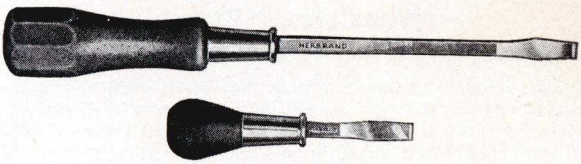
LIST PRICE, in pocket leatherette case..... **$4.90**

SET No. SD-6, carries a well balanced assortment of five Protectogrip Screw Drivers in daily demand. Contains Nos. 310, 312, 315, 316 and 319.

LIST PRICE, in pocket leatherette roll..... **$6.65**

SET No. SD-7, a general service assortment containing a wide range of seven genuine Protectogrip Screw Drivers that fill an all purpose need. Includes Nos. 310, 312, 313, 315, 316, 319 and 321.

LIST PRICE, in pocket leatherette roll..... **$10.20**



Wood Handled Screw Drivers

Smoothly Turned Handles

Blades Forged from Chrome Tungsten Tool Steel

The long, slender taper blades have accurately ground points for the perfect gripping of screw slots. The handles are turned from clear, selected birch with white shellac finish. These screw drivers are the best balanced and strongest wood handled screw drivers on the market. The blades are cross-forged from Chrome Tungsten Alloy Tool Steel and are heat treated to provide utmost strength and resiliency. The square stock of Chrome Tungsten Tool Steel is firmly imbedded in the handle and securely bound in with a heavy steel ferrule to prevent working loose.

These sturdy drivers are practically unbreakable and will stand up under the most severe wear and usage. The Herbrand distinctive process of cross-forging contributes to their extra strength and general appearance. The blades are triple plated in satin nickel and the points are brightly polished.

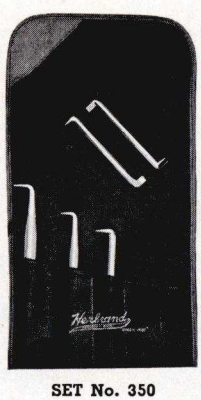
No.	Length of Blade	Size Square Stock	Overall Length	List Price Each
330	3	5/16	7 1/4	$ .55
331	6	5/16	10 1/4	.70
332	9	5/16	13 1/4	.80
333	1 1/4	1/4	3 3/4	.55
334	6	1/4	11 1/4	.90
335	10	1/4	15 1/4	1.05
336	7	5/16	12 1/2	1.15
337	12	5/16	17 1/2	1.30
338	6	3/8	12 1/4	1.20
339	12	3/8	18 1/4	1.35
340	16	3/8	22 1/4	1.40

"Van-Chrome" Offset Screw Drivers

Forged from Chrome Tungsten Steel

The bits of the "Van-Chrome" double end Offset Drivers are set at right angles to each other with the exception of No. 352 which has the blades forged at a 45° angle instead of 90° and is an ideal companion for No. 351. The large size No. 355 is especially adapted to drag link adjustments. These screw drivers come in a range of five popular sizes and are sold individually or in a complete set.

Forged from Chrome Tungsten Tool Steel with octagon handles, heat treated throughout, and finished in satin nickel plate with brightly buffed blades.



SET No. 350

No.	Size Stock	Length	List Price Each
351	1/4	4 1/4	$ .75
352-45°	1/4	4 1/4	.75
353	5/16	5 1/2	.80
354	3/8	6 1/2	.85
355	1/2	7 1/2	1.00

SET No. 350, comprises one each of the above five sizes, in attractive leatherette, flannel lined tool roll. Weight 1 lb.

LIST PRICE, complete..... **$4.40**

"Van-Chrome" Chisels

Forged from Chrome Tungsten Tool Steel, Nickel Plated

The chief requisite of chisels is that they resist the severe demands made upon them and defy breakage. "Van-Chrome" Chisels are individually hammer forged from strong and tough Chrome Tungsten Alloy Steel made to Herbrand's special formula. Individually heat treated and tempered in perfectly timed electrically controlled furnaces. The cutting edge is beveled at the correct angle to remain sharp under extreme abuse. They are so finely tempered that they may be redressed with a file yet stand up under the hardest usage.

Herbrand "Van-Chrome" Chisels are designed for perfect balance and have octagon shaped handles for better gripping. Each "Van-Chrome" Chisel is branded with the Herbrand mark of distinction which is your guarantee of quality. Nickel finish and rust-proof. Polished blades.

Flat Chisels

No.	Size Stock	Width of Bit	Length	List Price Each
400	5/16	5/16	5	$ .50
401	5/16	3/8	5	.50
402	3/8	1/2	6	.55
403	1/2	5/8	6	.65
404	5/8	3/4	7	.85
405	3/4	7/8	8	1.25
406	7/8	1	9	1.60

Cape Chisels

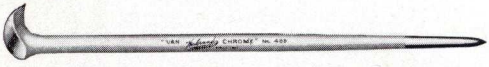
410	5/16	7/32	5	$ .50
411	3/8	5/16	6	.55
412	1/2	3/8	6	.65

Gouge Chisels

420	5/16	7/32	5	$ .50
421	3/8	1/4	6	.55

Diamond Point Chisels

430	5/16	5/64	5	$ .50
431	3/8	1/8	6	.55



"Van-Chrome" Multiuse Pry Bar No. 485

For all Kinds of Prying and Pulling Work

Drop Forged from Chrome Vanadium Steel

No bar on the market today can compare with this new type Herbrand Pry Bar which is designed for dozens of new uses and built to stand up under the heaviest work. It has no equal for pulling gears, bushings, bearings, grease caps, grease retainers, ball races and lifting cylinder heads. The tapered end can be used as a pry or for lining up body or fender bolt holes, motor support bolt holes, body parts and the like.

The pry point is thinned down to readily engage close fitting parts and the rounded heel supplies a powerful leverage and easy working qualities. Drop forged from select Chrome Vanadium Steel. Heat treated.

Satin nickel with head and point polished. Length 16". Weight 1 lb.

LIST PRICE, each **$1.80**

"Van-Chrome" Punches

Forged from Chrome Alloy Steel, Nickel Plated

Constructed for strenuous driving, piercing and marking purposes, they will retain their points permanently. Herbrand "Van-Chrome" Punches are carefully forged from the toughest Chrome Alloy Steel and scientifically heat treated for the utmost possible endurance. Nickel plated triple in satin with points polished to a high lustre.

Pin Punches

No.	Size Stock	Diameter of Point	Length	List Price Each
440	5/16	1/8	4 1/2	**$ .40**
441	5/16	5/32	4 1/2	**.40**
442	5/16	3/32	4 1/2	**.40**
443	5/16	5/32	6	**.50**
444	3/8	3/16	6 1/2	**.55**
445	3/8	7/32	6 7/8	**.60**
446	3/8	1/4	7	**.65**
447	1/2	5/16	7 1/2	**.75**

Solid Taper Punches

450	5/16	1/16	4 1/2	**$ .40**
451	3/8	3/16	5	**.55**
452	1/2	1/4	6	**.75**
453	5/8	5/16	7	**.95**

Long Taper Punches

460	3/8	1/8	8	**$ .65**
461	1/2	5/32	9	**.90**
462	5/8	1/4	11	**1.20**

Center Punches

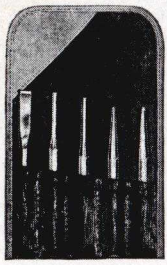
470	5/16	1/8	4 1/2	**$ .40**
471	3/8	7/32	5	**.55**

"Van-Chrome" Jimmy Bars

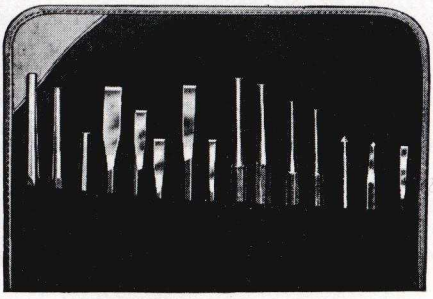
Forged from Chrome Alloy Steel, Nickel Plated

Invaluable for prying, alignment work and many other purposes. One end has a long, sharp pointed taper, the other end has a sharp curved leverage blade. Drop forged from special Chrome Alloy Steel and permanently finished in satin nickel with brightly polished points.

No.	Size Stock	Diameter of Point	Length	List Price Each
480	1/2	1/8	12	**$1.20**
481	5/8	5/32	16	**1.90**
482	3/4	1/4	20	**2.60**



PUNCH SET No. C-10



PUNCH AND CHISEL SET No. C-15

"Van-Chrome" Punch and Chisel Sets

Carrying the Strongest Cutting and Piercing Tools

No. C-10 Punch Set, Vest Pocket Size. An assortment of handy small Punches and Chisel especially useful for electrical work. Comprises 1 each of assorted Punches Nos. 440, 441, 450 and 470 and Chisel No. 400.

LIST PRICE, in flannel lined leatherette roll..... **$2.40**

No. C-15 Super Punch and Chisel Set. A well balanced assortment of the fifteen most popular Punches and Cutting Tools which equip the mechanic for any job. Contains 1 each Chisels Nos. 401, 402, 403, 410, 412, 421 and 431. Assorted Punches Nos. 443, 444, 445, 446, 451, 452, 453 and 471.

LIST PRICE, in flannel lined leatherette roll..... **$9.55**

CHISEL SET No. C-3

No. C-3 "Van-Chrome" Chisel Set. 1 each Nos. 402, 403 and 404.

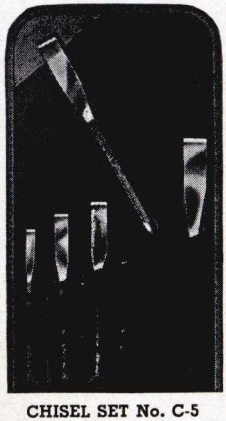
LIST PRICE, in leatherette roll..... **$2.25**

No. C-5 "Van-Chrome" Chisel Set. 1 each Nos. 402, 403, 404, 405 and 406.

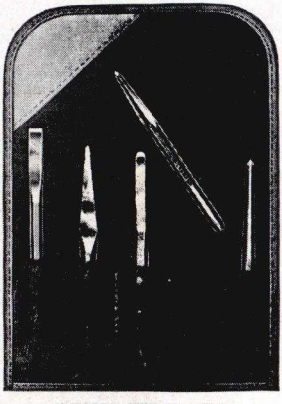
LIST PRICE, in leatherette roll..... **$5.20**

No. C-6 "Van-Chrome" Assorted Chisel and Punch Set. 1 each of Chisel Nos. 401, 410, 420, 430 and No. 471 Center Punch.

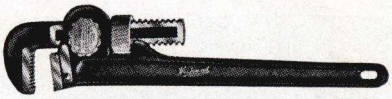
LIST PRICE, in leatherette roll..... **$2.85**



CHISEL SET No. C-5



CHISEL SET No. C-6



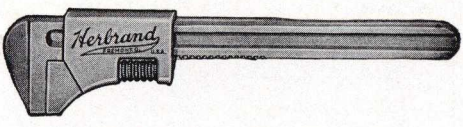
Super-Strength Pipe Wrenches

Drop Forged Alloy Steel Jaws

The superior design of the Herbrand Pipe Wrench makes it far more efficient and easy to handle than the conventional Stillson pattern. The non-breakable, open housing with free riding adjusting nut is quickly appreciated by mechanics. The hook-jaw is drop forged from a high quality Alloy Tool Steel and will grip and hold perfectly under the stiffest pull and will not lock on the pipe.

Herbrand Pipe Wrenches are heat treated throughout and are finished in baked black enamel with bright polished edges.

Length	Jaw Opening	List Price Each	Length	Jaw Opening	List Price Each
6	1 1/8	$1.25	18	3 1/2	$ 3.60
8	1 5/8	1.45	24	4 1/4	5.50
10	2 1/8	1.85	36	5 1/2	10.00
14	3	2.50	48	6 1/2	16.30
			60	8 1/2	26.00

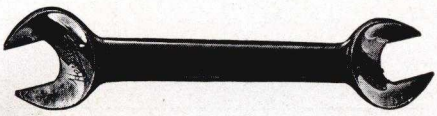


Herbrand Adjustable Wrenches

Drop Forged in Six Sizes from 5½" to 14"

Practical—efficient—simple in design. Serves a wide variety of uses and is especially adaptable for emergency repairs and adjustments. Careful forging, machining and heat treatment contribute strength.

No.	Length	Jaw Opening	LIST PRICE EACH		
			Black Enamel	Satin Nickel	Polished Nickel
103	5 1/2	1 3/16	$ .40	$ .45	$ .60
107	5 3/4	1 9/16	.45	.50	.65
110	7	1 3/4	.50	.55	....
112	9	2 1/4	.60	.65	....
113	11	3 1/4	.85	.95	....
114	14	3 1/2	1.85	2.00	....



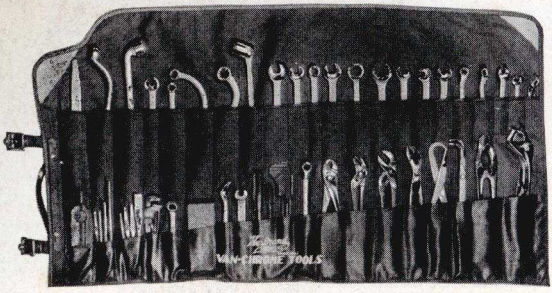
Herbrand Solid Open End Wrenches

All Popular Patterns

Drop Forged from Special High Carbon Tool Steel

In addition to manufacturing the broadest range of automotive tools, Herbrand also produces a full line of Carbon Steel Wrenches in all the popular patterns. These wrenches are especially built for manufacturers who equip their product with service tools. For more than fifty years Herbrand quality and refinements in design have paralleled the requirements of the industry and among the users of Herbrand tools are many of the nation's largest and most prominent industries.

Carbon Steel Wrenches in all their varied patterns and sizes are fully described and illustrated in a separate catalog which will be sent upon request. Among the standard types manufactured are Engineers' Wrenches, single and double end, General Service S Wrenches, Construction and Structural, Car Builders', Textile Machine, Check Nut, Extra Thin and other patterns. Special wrenches made to blue print.



Jobber Salesman Display Rolls Sell More Tools

Available with any assortment of tools you may select; or you may obtain the roll to be filled from your own stock. Constructed of flannel lined leatherette with convenient carrying handle.

No. 41 Roll, containing 41 pockets..... **LIST PRICE,** roll only..... **$7.00**
No. 42 Roll, containing 70 pockets..... **LIST PRICE,** roll only..... **11.00**

Chart of Openings and the Bolts and Nuts They Fit

Wrench Opening in Inches	The Dimensions given below are the Outside Diameters of the Threads in Inches				
	S.A.E. Std. Screws and Nuts	U.S.S.		American Std.	
		Nuts	Cap Screws	Nuts	Cap Screws
5/16	...	1/8	1/8	Nos. 5 & 6	...
3/8	...	...	3/16	No. 10	...
7/16	1/4	...	1/4	No. 12 & 1/4	1/4
1/2	5/16	1/4	5/16	...	5/16
9/16	3/8	...	3/8	5/16	3/8
19/32	...	5/16	...	...	...
5/8	7/16	...	7/16	3/8	7/16
11/16	...	3/8	...	...	...
3/4	1/2	...	1/2	7/16	1/2
25/32	...	7/16	...	...	9/16
13/16	...	...	9/16	1/2	5/8
7/8	9/16	1/2	5/8	9/16	...
15/16	5/8	...	...	...	...
31/32	...	9/16	...	...	3/4
1	11/16	...	3/4	5/8	...
1 1/16	3/4	5/8	...	3/4	7/8
1 1/8	...	...	7/8	...	...
1 1/4	7/8	3/4	1	...	1
1 5/16	...	...	...	7/8	...
1 3/8	...	...	1 1/8	...	...
1 7/16	1	7/8	...	...	...
1 1/2	...	...	1 1/4	1	1 1/8
1 5/8	1 1/8	1	1 3/8	...	...
1 11/16	...	...	...	1 1/8	...
1 13/16	1 1/4	1/8	...	...	...
1 7/8	...	...	...	1 1/4	...
2	1 3/8	1 1/4	...	...	...
2 3/16	1 1/2	1 3/8	...	...	...
2 1/4	...	...	...	1 1/2	...
2 3/8	...	1 1/2	...	...	...
2 9/16	...	1 5/8	...	...	...
2 5/8	...	...	...	1 3/4	...
2 3/4	...	1 3/4	...	...	...
2 15/16	...	1 7/8	...	...	...
3 1/8	...	2	...	...	...
3 1/2	...	2 1/4	...	...	...

8-Point Socket Table

Opening Across Flats	For U.S.S. Square Head			American Standard	
	Nuts	Cap Screws	Set Screws	Sq. Nut	Sq. Cap Sc.
1/4	...	...	1/4	...	...
5/16	...	...	5/16	...	...
3/8	...	1/4	3/8	...	...
7/16	...	5/16	7/16	1/4	1/4
1/2	1/4	3/8	1/2	...	5/16
9/16	...	7/16	9/16	5/16	3/8
5/8	...	1/2	5/8	3/8	7/16
11/16	3/8	9/16	...	...	...
3/4	...	5/8	3/4	7/16	1/2
13/16	...	...	...	1/2	9/16
7/8	1/2	3/4	7/8	9/16	5/8
1	...	...	1	...	3/4
1 1/16	5/8	...	...	...	...
1 1/4	3/4	1	1 1/4	...	...
1 7/16	7/8	...	...	...	...
1 5/8	1	...	...	...	...

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HERBRAND GUARANTEE

The name Herbrand or "Van-Chrome" on any tool constitutes your unqualified guarantee against defects in both workmanship and materials. This is positive assurance that they will do the job for which they are built, without spreading or breaking. Free replacements will be made on any tools that may prove defective. This guarantee is void if inspection shows that the tools have been abused, ground, heated, subjected to hammering or unreasonable leverage.